SPECIAL EDITION

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CANADA'S WEEKLY NEWSMAGAZINE | www.macleans.ca

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signed: Susan Westre

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THE NEW *MACLEAN'S*

More great reporting, more exclusives, more mind-jolting opinion, and a bold new look

NEXT WEEK we will introduce the most dramatic redesign of *Maclean's* since it moved to a weekly publishing schedule in 1978.

The design changes are part of a larger repositioning of the magazine that began last spring and will continue to play out over the next several months. We intend to return *Maclean's* wholeheartedly to its current affairs roots, while delivering livelier and more original content than ever before.

Maclean's is Canada's pre eminent current affairs magazine. We have unsurpassed authority, tradition, and competence in the news field. Moreover, our readers tell us they expect *Maclean's* to play a leading role in the national conversation—a role we aim to fulfill.

The trend in newsweeklies over recent decades has been to downplay news and current affairs in favour of general-interest and lifestyle journalism. Some argue that newsmagazines are dinosaurs in the so-called 24/7 news environment.

While it's true that television and the Internet now bring us more and quicker information than ever before, these trends make a good current-affairs magazine more relevant than ever.

A weekly has the advantage of perspective. Our writers and editors sort through the instant updates and headline flashes, separating news from noise, digging deeper on the most interesting stories, providing context, fresh angles, and thoughtful opinion. We offer a discriminating and incisive take on events, trends, and personalities in the world around us, and we present all this in a far more distinctive and entertaining manner than websites and newspapers can manage on their tighter deadlines.

In the weeks to come, you can look forward to a more vibrant and contemporary look and feel to *Maclean's*, from the cover to the back page. Many familiar features will be revamped or expanded. New features, sections, and voices will appear.

Perhaps the most striking change will be that *Maclean's* will offer you more to read. Our redesign will bring a substantial increase in the number of editorial pages in the magazine. We have also tightened our page architecture to allow for more words and stories.

> **What won't change is our commitment to quality reporting, independent judgment, and a balance of opinions**

In fact, by the end of this year, *Maclean's* will be offering readers, at a minimum, 50 per cent more stories and 50 per cent more text than we did at the start of the year. That means more national affairs, more foreign coverage, more business, more arts and culture, more exclusives, more mind-jolting opinion, and more great writing from Canada's best editorial team. At the same time, we are increasing the number of photographs in the magazine to ensure a compelling visual presentation.

It is also important to note what won't change in the magazine. *Maclean's* has always been one of Canada's most trusted news sources. In recent months our readers have told us they prize the magazine for its quality reporting, independent judgment, and balance of opinions. We remain committed to these values. We will continue to share our views on the most important stories of the day—sometimes forcefully or provocatively—but we'll always give you the information you need to make up your own mind.

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CANADA'S WEEKLY NEWSMAGAZINE

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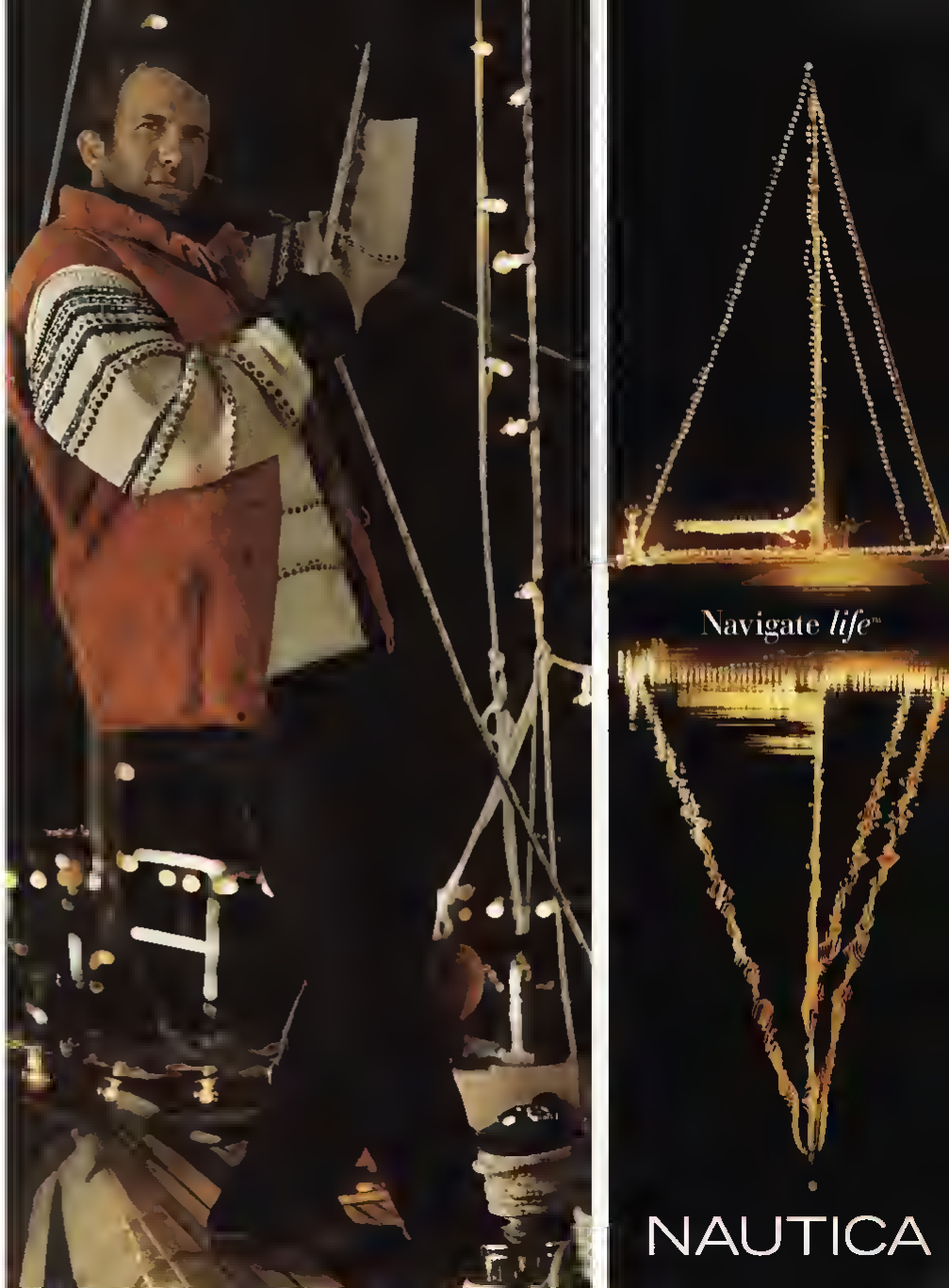
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'Canadian Tire Guy has been haunting hockey commercial breaks for too long. Is there a tool to make him stop?'

—Scott Moore, Bearnsville, Ont.

Girly men and tool-timers

When I saw my latest *Maclean's* on the kitchen table ("The age of the wuss," Cover, Oct. 31), I burst out laughing. Thanks for making my day.

Mike Walton, North Vancouver

Being an employee of Canadian Tire, I found John Intini's article on Canadian Tire Guy hilarious ("What a tool," Cover). I would imagine that CTG's fictional son, Bobby, will soon have the perfect wife and move in next door to look after his aging parents and take care of all their maintenance needs with more products from Canadian Tire. Furthermore, if Canadian Tire Guy is emulating Everyman, God help us. I'm relieved to say I don't know any men like that. Who would want to?

Heather Cole, Grove Hill, N.B.

It's a rainy Tuesday, and my husband and I are warming our toes by the glow of our Noma Electric Fireplace, laughing out loud as we read John Intini's article. One can only hope that the corniness of Canadian Tire's ad campaign is intentional—creating a buzz that is much talked about around the water cooler (or rather the Greenway Hot/Cold Water Dispenser, now on sale for $179.99). Intentional or not, there is brilliance to the campaign. When was the last time Canadian Tire advertising was featured on the cover of *Maclean's*? As the holiday season approaches, I'm sure we're all looking forward to watching Canadian Tire Guy hang the perfect set of Christmas lights, preferring his antics to that other classically annoying Canadian Tire character, Scrooge.

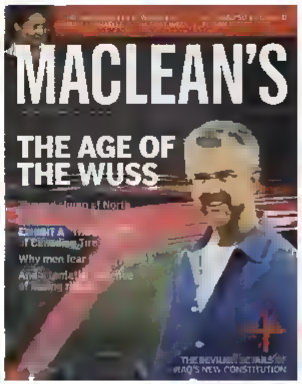
Jennifer Kinneman, Brantford, Ont.

It's too big a stretch for us to identify with Canadian Tire Guy. In fact, sometimes in our house, it's difficult for us to locate even a Phillips screwdriver.

Debra Shewchuk, Sudbury, Ont.

Give me a break. Who is the insecure one here? We are all becoming specialists in this world, but hats off to the guy who is a generalist and can do all kind of things. Don't put him down because you don't keep your lawn perfect, change your own brake pads or paint your cottage. Anyone who can do that has a talent and enjoys it.

Steven Toenjes, Fort Erie, Ont.



In spite of the aging premise of the ads, I'm proud to see that a truly Canadian company is taking on the likes of Home Depot. Speaking of Canadian Tire, I can't find my old ice scraper, I'll have to stop on the way home for an Oskar 3-in-1 snow brush.

Mike Gorrits, Chance Harbour, N.B.

I have hated this cheesy campaign for years. Every time Canadian Tire Guy hits the airways, I reach for the remote. No pain. No gain. No purchase. End of cheesy story.

Stephen McIntosh, Barrie, Ont.

Thank you for writing about the dork from Canadian Tire. Now, what about that TV ad where the guy calls his wife while she is in the boardroom and quacks on furiously about the merits of the duster he is using?

Gordon Blondahl, Surrey, B.C.

When I first saw Canadian Tire Guy, I got uneasy. He comes across as a man with a violent temper. I can almost hear him ticking. I thought of John Candy on SCTV playing the

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role of Paul Fist in Your Face Candy was building a table for the TV audience. His teeth were clenched and he was actually spitting when he was talking. He punched holes in the wood when his drill wouldn't work properly. I'm dying laughing while I'm typing this to you. Anyway, this is what I think of every time I see Canadian Tire Guy.
Virginia A. Wojcik, Toronto

Maybe my mind doesn't serve me correctly, but wasn't there also a daughter in Canadian Tire Guy's family? What happened to her? Did CTG and his wife send her off to boarding school? Or did she perish in a tragic accident with a Mastercraft power tool? Maybe musing about continuity problems on a series of frickin' Canadian Tire commercials is a sign that I am watching too much TV.
Graeme Haynes, London, Ont.

A little overkill on the Canadian Tire Guy. Maybe John Intini is watching just a little too much television.
Eric Monette, Ottawa

My husband, my dad, my neighbours, my friends and my male employees are like Canadian Tire Guy. Guys like that fought in wars and gave their lives for us lucky Canadians. They are everyday heroes to their partners, kids, friends and people in need. They are the backbone of the country. Most 25-plus women I know are looking for a real guy just like Canadian Tire Guy with whom they can build a life.
Sue Chappel, Vancouver

The Canadian Tire ads are made even more annoying by a choir repetitively shrieking "I'll start with you" in the background. Start what?
Andrew E. Lewington, Woodstock, Ont.

Ted Simonett is an actor, I remind you, and he is employed to fulfill Canadian Tire's needs, nothing more. At the end of the day, the guy gets his pay and goes home, just like the rest of us. Maybe the author of this piece should consider taking a few classes in manners. Some things are better left unsaid.
Patric Allard, Bourget, Ont.

I consider myself an icon of machismo in this age of the sensitive metrosexual and, damn it, I like the Canadian Tire Guy. And I like the commercials, too. As soon as I finish this letter, I am going to search the Web for all the pro-Canadian Tire blogs I can find. If we feel the need to hate everybody associated with TV commercials, then I say, rise up and apply a super-wedgie to the clown who came up with those Mr. Sub ads.
James Rae, Toronto

I recently met Ted Simonett, the actor who portrays CTG, at a play in Niagara-on-the-Lake, Ont., and I complimented him on his work. I usually refer to him as a ferret faced f---, to the amusement of my children, but this meeting allowed me to let go of my loathing.
Bill Johnston, Thornhill, Ont.

There is only one person more irritating than Canadian Tire Guy: Canadian Tire Wife. Remember the time she left CTG a 10-page list of Honey, Dos, which thankfully he accomplished in about 30 seconds just with a hand-held steamer?
John M. Wootton, Pickering, Ont.

In response to Charlie Gillis's story ("He's come undone," Cover) about the sad loss of real men, I would like to say, not to worry, there are still some of us left. For example, I routinely ignore my wife's fashion advice. I steal her beer after mine is gone. I know how to use all my tools. I am loyal. I don't run from



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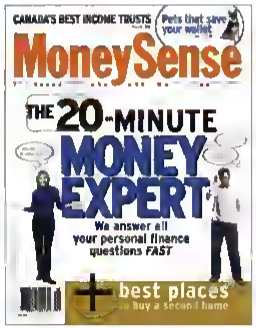
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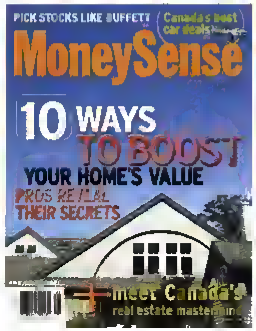
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the tough stuff. I very rarely apologize. And I spend more than enough time with my kids. I know this because the few times they swear, they at least use my words correctly.
Mark Whiffen, Ottawa

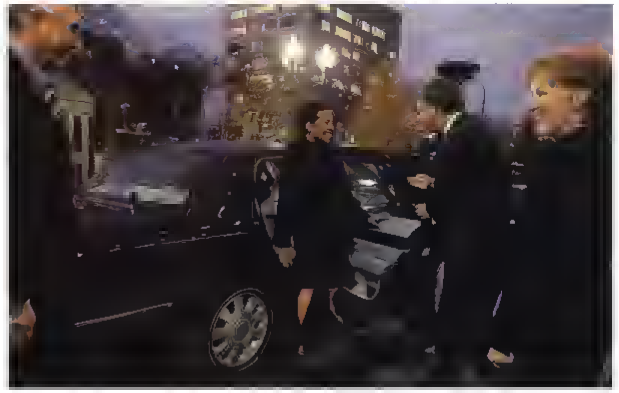
Manhood is an adolescent concern. Worries about it occur before people realize what is important in life. It is important to be a good friend. It is important to know when personal sacrifice is necessary, especially with our children. It is important to protect a loved one or even a stranger. What you talk about is unimportant.
Ronald D. Cowen, Toronto

I couldn't agree more with your story: men have become an easy target because we are a pathetic version of what we once were. We have become more sensitive, more cosmetically appealing, and have tried to impress women with our money and fine taste. Well, many women are tired of the wimpy pretty boy who wears designer clothes and pretends to know the difference between an $11 bottle of wine and a fine Bordeaux. We're lost in what we think women want and have forgotten what we want. I know what I want. And I think women like to see strength and confidence in a man. Of course, I'm still single. Maybe I need a body wax.
Bruno Sodaro, Toronto

Where on earth did Lianne George find the men who said that funny women can be a turn-off ("Fears of a clown," Cover)? If we don't laugh at a woman's joke, do we have bad genes? Is it possible that the joke just wasn't funny? I don't think I know any men who are afraid of funny women, but I do know men who don't enjoy a woman trying to be funny and failing.
Dick Meyer,
Westmount, Que.

Yes, initiation by ordeal—hazing—is a popular, ancient and primitive practice ("No greater love," Cover). So is wife-beating, torture and mass murder. But the current equation of the lascivious brute as the ultimate in masculinity is a dangerous fallacy. Let's choose nobility as our model, which is inherent in the word virtue, from the Latin *vir*, meaning man. All Canadians should read *Maclean's*.
Clair L. Hobbs, Brampton, Ont.

> "Stay in Toronto and duck the gunfire in Hanna, I'll breathe deeply and walk safely at night."



Jean alights from her limo in Winnipeg, representing Canada on the world stage

R-E-S-P-E-C-T

Regarding your coverline, "Showing some leg in Winnipeg" (Oct. 31), I don't understand how you could write such a thing in relation to Gov. Gen. Michaëlle Jean. She has an important job that should command the respect of all Canadians, including those at *Maclean's*. She represents Canada on the world stage and I have every reason to believe she will represent us in a way that will make us feel good about our place on that stage.
Harold Atkinson, Guelph, Ont.

Referendum fallout

In his insightful article on the 1995 referendum ("What not to do next time," Quebec, Oct. 31), Paul Wells claims that I believe Canada to be contemptible. Not true! Had he written that I believe Canada's policies regarding Quebec are contemptible, however, he would have been close to the truth. And these contemptible politics hurt both Quebec and Canada. In my book on the 1995 referendum, I took great pains to show that there are other ways of dealing with "The Great Canadian political question," as the *Economist* put it. An entire chapter is devoted to a 2005 interview with Jane Jacobs, who has insisted since 1979 that Canada and Quebec should work out a new win-win arrangement that would allow both to prosper and that could be inspired by the Norway-Sweden separation of 1905. But does anybody want to hear that—even when it comes from a renowned thinker like Jane Jacobs?
Robin Philpot, Montreal

To Hanna and back

I was appalled at Brian D. Johnson's portrayal of Hanna, Alta., in the story about the town and the band Nickelback ("Hell bent for home," Music, Oct. 31). The line "Bored teenagers get stoned and drunk and dream of being rock stars, like their hometown heroes," paints a distorted picture. There are many children, teenagers and adults here who excel in academics, athletics, music and arts. Many teenagers have purposeful and productive lives and do not turn to drugs and alcohol as a form of entertainment.
Leona Hanlon, Hanna, Alta.

Your writer was so hell-bent to get back to Toronto that he did a grave disservice to Hanna. The three members of Nickelback who grew up here speak fondly of their hometown. Johnson, who visited for an afternoon, only saw what he wanted to see. Stay in Toronto, Brian. Step over your homeless, breathe your smog and duck the gunfire. Out here I'll walk the streets safely at night, breathe the air deeply and continue to teach and support the kids "in the middle of nowhere."
Kevin Byrne, J.C. Charyk School, Hanna, Alta.

CHRISTOPHER WAHL



CHRISTOPHE ENA/AP

Flashpoints | Paris is burning

They believed they were being chased by police, and hid by an electrical transformer. The subsequent deaths of the "angels of the ghetto," as the two youths of North African descent quickly became known, set off a week-long orgy of riots and arson in the immigrant-dominated suburbs of Paris. Hundreds of cars were destroyed, businesses and public buses torched, as youths fought nightly running battles with police firing rubber bullets. And underlying the violence was a sense of surprise—over the fact that it had taken this long for the suburbs to explode.

Nov. 3 in the Paris suburb of Aulnay-sous-Bois. The surprise was that it had taken this long for the suburbs to explode.

Many of France's six million citizens of North African descent haven't integrated into French society, and are isolated in suburban apartment blocks where unemployment can be three times the national average. Adding to the anger was a rash of deadly fires over the summer in decrepit buildings housing immigrants. Last week, President Jacques Chirac said that "emotions must quiet down"—an appeal that was undercut when Interior Minister Nicolas Sarkozy promised to "clean" the suburbs and "fight a war without mercy" against "riff raff."

Quote of the week | **'There's no end to the ingenuity of Air Canada to think up things to charge for.'** **MICHAEL JANIGAN** of the Public Interest Advocacy Centre in Ottawa, after the airline ended complimentary meals on long-haul North American flights

ScoreCard

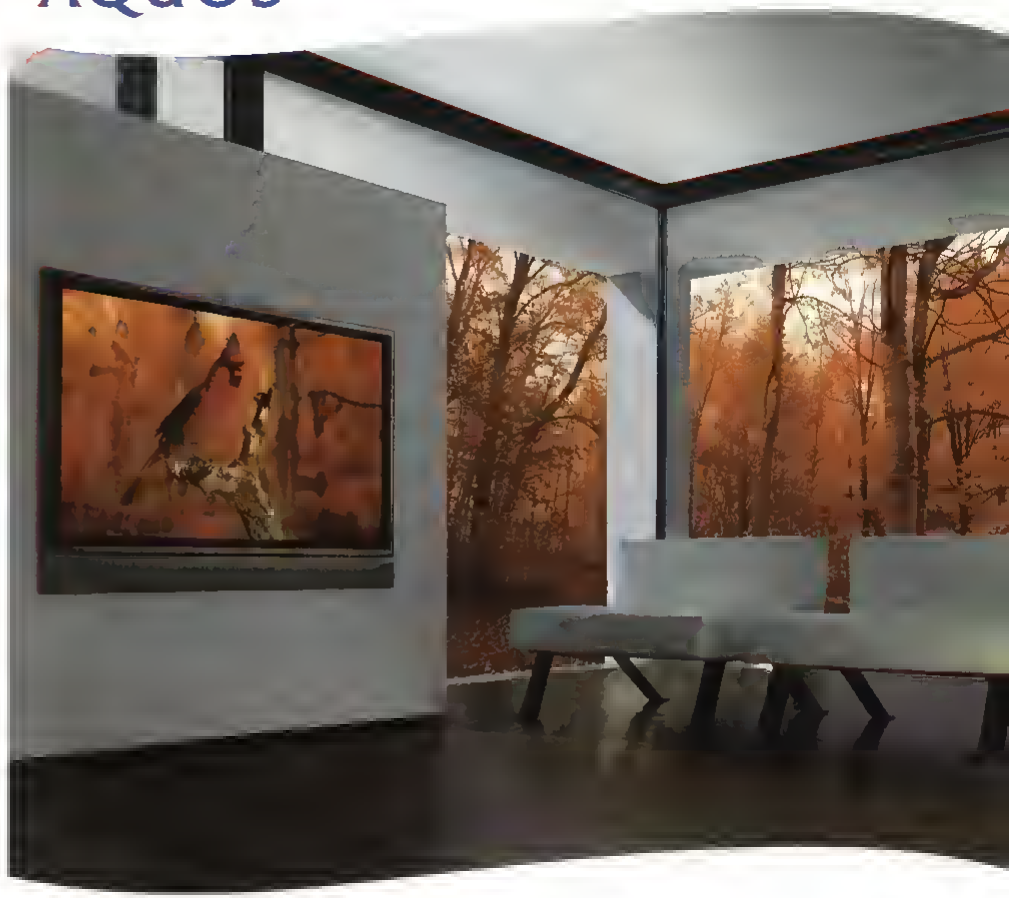
ENTITLEMENT
Being entitled to entitlements a recurring Liberal theme. Now Gomery finds "culture of entitlement" among party elite with hands in till. One entitlement way past due public right to grovelling apologies—to Quebec, for a crude attempt to buy loyalty, and to all taxpayers, for sticking them with the bill.

GEORGE W. BUSH
Prez empties pockets for Latin American journalist. Wears a Timex, and carries nothing but handkerchief. Not much up his sleeves, nothing lining his pockets? No wonder Canadian Liberals don't trust him.

ROUGHRIDERS
Roughies management wrong to ignore reality of athletes playing field long after game ends. Hiding that Trevis Smith was HIV-positive put others, including sexual partners, at risk. True, Saskatchewan lives and dies by its team; just wasn't meant to be taken literally.

ZIMBABWE
President Robert Mugabe's eviction of 4,000 white farmers and redistribution of land to cronies neglected immutable rule of agriculture: you reap what you sow. In this case, a tragic food shortage.

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Based on cumulative unit sales over 12 months for the period ending August 2005. NPD POS market measurement service based on combined sales through NPD defined channels including Mass Merchants, Electronic, Department and Furniture retail stores.

HOLLINGER Since Conrad Black is not facing criminal charges in Canada, the Ontario Court of Appeal ruled he must answer questions about Hollinger Inc. to a court-appointed investigator (he resigned as chairman and CEO of the Canadian holding company last November). Black, 61, had argued that answers could be used against him in U.S. court proceedings regarding allegedly improper payments to him from the sale of newspapers of his media empire. Last week, Black filed suit against the U.S. government, which seized nearly US$9 million on Oct. 7 from the sale of his New York City apartment. He stated that a criminal indictment against him in the United States might be imminent, and he needs the money to retain defence lawyers.

UNSEALED Adoptees and their birth parents will soon be able to find each other, maybe against their wishes. After nearly 80 years of secrecy, Ontario's adoption records will be unsealed in 18 months, after an advertising campaign to inform citizens of the new rules. Parties wanting to keep their information confidential will have to convince a tribunal that unsealing the records would cause harm.

GOLD RUSH Toronto's Barrick Gold Corp. wants to buy fellow Canadian gold producer Placer Dome Inc., in a stock-heavy deal worth US$9.2 billion. If it goes through, Barrick would become the world's largest producer of the precious metal.



CAMILLA'S NIGHT Determined not to overshadow her husband, Prince Charles, the way his über-stylish first wife Diana so often did, the Duchess of Cornwall played it safe when attending a black-tie White House dinner given by President George W. and Laura Bush.

CAR WOES For the first time, the Big Three automakers' share of Canada's car and light truck market fell to below 50 per cent. Honda, meanwhile, sold more of its redesigned 2006 Honda Civics in October than all Ford and Chrysler passenger cars combined, as the trend away from pickups and SUVs continued.

DELAY Former Republican House leader Tom DeLay succeeded in getting the judge overseeing his money-laundering and conspiracy trial removed from the case. DeLay's lawyers argued that Judge Bob Perkins's impartiality had been compromised by his financial contributions to Democratic candidates.

BAD DAY British Prime Minister Tony Blair suffered two major political setbacks last Wednesday. With members of his own Labour Party set to vote against a proposal to give police the right to hold terrorist suspects without charge for up to 90 days, the government was forced to withdraw that section of the terrorism bill. Hours earlier, David Blunkett, the works and pensions minister, resigned for the second time in less than a year, this time over accusations he violated a ministerial code of conduct. In December, he stepped down as home secretary after his office fast-tracked a visa for his American lover's nanny.

DIPLOMACY A week after calling for Israel's destruction, and in spite of withering international criticism, Iranian President Mahmoud Ahmadinejad pressed ahead with his purge of reformers. He fired 40 ambassadors and senior diplomats, including many moderate ones based in the West.

CLEARED Seven British soldiers were found not guilty of murdering an Iraqi teenager near Basra in May 2003 after the judge ruled the evidence was weak and vague and the investigation had been inadequate. Judge Advocate General Jeff Blackett added that the Iraqi witnesses had used the case to seek compensation from British forces.

YUCKY JOBS The worst job in science was a human lab rat, according to *Popular Science*'s annual ranking. California students were paid US$15 an hour to have a First World War nerve agent shot into their eyes and noses. Number eight on the list was volunteering—and paying—to help investigate the melting permafrost in peat bogs near Churchill, Man. The vacationers shelled out more than $2,000 for the pleasure of fending off polar bears and "biblical swarms" of flies.

BY TIM DOLIGHAN



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TIM GRAHAM/GETTY IMAGES

Mansbridge on the Record



THE GRIEF THAT UNITES

Cenotaphs across the country remind us of this country's great sacrifices

OF THE THINGS that unite Canada, one, sadly, is a nation's grief. It knows no provincial borders, no regional tensions—it affects us all equally. No matter where you are in the country, you don't have to go far to see the silent reminders of why we grieve: the more than 6,000 war memorials in communities large and small. We often tend to pass them by, except of course on Remembrance Day, when some of us join an ever-dwindling number of veterans who bow their heads in memory of comrades who never made it home from across the seas.

In the small southwestern Ontario town I call home, our cenotaph is in the often-busy downtown core, but because it's sheltered by trees it can be a place of quiet reflection. There are rows of names on the plaque, just some of the more than 100,000 Canadians who became the fallen in the wars of the last century. When I study our list, as I did early one recent Sunday morning, I found myself lingering over the families that seem to have suffered most—like the Barnhardts, who lost three in the First World War, or the Deweys, who never saw two of their boys return after they left for the Second World War. How their mothers, and the mothers of so many others across the land, handled that is something that most of us in the generations that followed have never, fortunately, had to face.

> "They are all different, and funded locally. The message in Mahone Bay still moves me: 'They died for peace, let us live for it.'

The memorials are, in themselves, an interesting story about us as Canadians, how we initially saw the sacrifice and how we continue to see it today. Wherever they stand across the country, the federal government did not place them there—the people did. Perhaps that's why they are all so different. One can only imagine that if Ottawa had organized a nationwide war memorial plan, we'd almost certainly be looking at hundreds of identical monuments across the land. Instead, the money to fund the projects was raised locally, and what was gathered determined what was possible. Local committees decided on design, and that's why we have a variety of stone, brick, marble, iron and bronze structures, some simple, some spectacular sculptures. It's also why the messages on them are so different—the result, one assumes, of vigorous discussions that must have taken place in each community. The words often seem written with the hope they'd be forever read as the reason why such terrible sacrifice was needed. I've always been moved by the message in Mahone Bay, N.S.: "They died for peace, let us live for it."

The monuments started appearing after the First World War, proudly constructed by a country that was bursting with pride over how its young men had placed Canada on the international stage. It was called the Great War then, because no one felt such horror could ever happen again. It did, of course, and that's why those first memorials now tell our history of sacrifice in a special, if unintended way. The one in Morden, Man., is a good example—the letters spelling out the names of the First World War dead have been worn by the elements. When your eyes shift to the names added in later decades, you can *see* the difference, somehow underlining the anguish of a nation that had to send its young to die yet again.

This year, take a look, pause, and reflect upon what we have lost. And pray the lists need grow no longer. M

Peter Mansbridge is Chief Correspondent of CBC Television News and Anchor of *The National*. To comment: letters@macleans.ca

Passages

REVIEWED Ontario chief coroner **Barry McLellan** announced that 44 cases in which **Charles Smith**, a former child pathologist at Toronto's Hospital for Sick Children, was involved will be reviewed by four international experts. In one of Smith's cases, **William Mullins-Johnson** served 12 years in jail for the murder of his niece. He was released on bail after a report by Ontario's chief forensic pathologist said the girl probably died of natural causes.



NOMINATED **Samuel Alito Jr.**, 55, was chosen by **George W. Bush** to replace retired Justice **Sandra Day O'Connor**, a week after White House counsel **Harriet Miers**, his previous nominee, withdrew. Republicans roundly praised the choice of Alito, appointed to the 3rd U.S. Circuit Court of Appeals by President **George Bush** in 1990.

DIED **Desmond Piers** led merchant convoys across the U-boat-infested Atlantic and then bombarded enemy positions on D-Day. Awarded the Distinguished Service Cross and France's Legion d'Honneur, he retired a rear admiral in 1967. Piers, 92, died in Toronto.



DIED Suave Toronto-born stage, TV and film actor **Lloyd Bochner**, 81, died in Santa Monica, Calif., of cancer. He got his start at the Stratford Festival during its first season in 1953. He starred in a famous 1962 episode of *The Twilight Zone*, "To Serve Man," and, nearly 30 years later, parodied his role as an earthling about to become an alien's dinner in *Naked Gun 2½: The Smell of Fear*.

REVEALED Former NHL GM **Jacques Demers**, 61, who coached the Montreal Canadiens to a Stanley Cup win in 1993, says in his new biography, *Jacques Demers: en toutes lettres*, that he is illiterate. Demers' inability to read and write is the result of his impoverished childhood.



LUKE DONALD European Ryder Cup Team Player (2004)



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University of Western Ontario

Kenneth R Bartlett
University of Toronto

David Dodge
University of Toronto

Aline Germain-Rutherford
University of Ottawa

Georg Gunther
Memorial University of Newfoundland

Janice Newton
York University

Srinivas Sampalli
Dalhousie University

Richard Schwier
University of Saskatchewan

John Thompson
University of Saskatchewan

Allan Wagner
University of Prince Edward Island

2004

Lorne Adams
Brock University

Howard Armitage
University of Waterloo

Brenda Cameron
University of Alberta

Bertha Garcia
University of Western Ontario

Lee Jenker
Queen's University

Yves Mauffette
Université du Québec à Montréal

John Milsarer
Brock University

Diane Pacom
University of Ottawa

Dean Paramskas
University of Guelph

Andrea Rose
Memorial University of Newfoundland

2003

Maureen Connolly
Brock University

Alex Faseruk
Memorial University of Newfoundland

Judith Jonnston
University of British Columbia

Claudia Lamoriagne
University of Ottawa

David Poole
Trent University

Phillip Smith
University of Prince Edward Island

Alastair Summerlee
University of Guelph

Pierre Zundel
University of New Brunswick

2002

Rhonda Amsel
McGill University

Richard Butler
McMaster University

Jamie Cassels
University of Victoria

Jenna Fox
Carleton University

Len Gosthart
University of Saskatchewan

Christopher Knapper
Queen's University

Brent Macleloe
University of Prince Edward Island

Vi Mooers
University of Regina

Sharon O Dea
Memorial University of Newfoundland

Gosha Zywno
Ryerson University

2001

Michel Desjardins
Wilfrid Laurier University

Fred Evers
University of Guelph

Brian Hodges
University of Toronto

Laurent Lapierre
École des Hautes Études Commerciales

Anne Lathrop
Brock University

Jons Lownie
University of Alberta

Miroslav Lovric
McMaster University

Shannon Murray
University of Prince Edward Island

Jan Rehner
York University

Morty Weil
University of Toronto

2000

David Berry
University of Victoria

Francis Chen
University of Western Ontario

Dawn Cooper-Clark
York University

Aaron Gross
University of Victoria

Barry Jon
Brock University

Aline Jones
University of Calgary

Don Kline
University of Calgary

Roger Moore
St. Thomas University

Morris Ozsech
Queen's University

Deborah Schnitter
University of Winnipeg

1999

Jeanette Berman
University of Alberta

Linda Briskin
York University

Patricia Chuchryk
University of Lethbridge

Erhan Ekut
University of Alberta

Lee Gass
University of British Columbia

Herbert Ho Ping Kong
University of Toronto

Andy Liu
University of Alberta

Mick Price
University of Alberta

Tim Pychyl
Carleton University

Ronald Stolz
University of Guelph

1998

Michael Atkinson
University of Western Ontario

Michael Collins
Memorial University

Carol Ann Courneya
University of British Columbia

Esther Enns
St. Mary's University

Del Hamish
McMaster University

David Harry
McGill University

Mmez Limayem
Université Laval

Regis Ory
Université du Québec à Trois-Rivières

Aerona Paisanen
University of British Columbia

Anil Wolji
University of Alberta

1997

Stephen Brown
Trent University

Meredith Chertow
University of Regina

Ariva Freedman
Carleton University

Guy Gnedenoo
Université Laurentienne

Thomas MacRae
Dalhousie University

Anthony Marini
University of Calgary

Anne Maeth
University of Alberta

André Sigal
University Laval

Donald Trim
University of Manitoba

Don Westwood
Carleton University

1996

Margaret-Ann Armour
University of Alberta

Roe Cartwright
University of Western Ontario

David Cass
University of Alberta

David Cook
University of Alberta

Clarissa Green
University of British Columbia

Arthur Habermas
York University

Inderjit Nindosh
Lakehead University

Blema Lilner
Concordia University

Monika Schloder
University of Calgary

Wen Schraiber
University of British Columbia

1995

Derek Allan
University of Toronto

Don Britton
University of Manitoba

Avi Cohen
York University

Alan Dilliwal
Carleton University

Janet Giltrow
Simon Fraser University

Tom Hallis
University of Western Ontario

Brian Little
Carleton University

Michael Reader
University of Alberta

Ivan Silver
University of Toronto

Mark Walsberg
Queen's University

1994

David Bentley
University of Western Ontario

Norman Cameron
University of Manitoba

Thomas Clenry
University of Victoria

Will Coleman
McMaster University

William Hallett
University of Ottawa

John Hoddinott
University of Alberta

Mel Hosale
University of Saskatchewan

Paul Mercer
University of Western Ontario

Gary Poole
University of British Columbia

Peter Taylor
Queen's University

1993

Frank Ahares
University of Alberta

Brock Fenico
University of Western Ontario

Ralph Johnson
University of Windsor

Michael Mosra
Wilfrid Laurier University

Judith Pilo
University of Toronto (Erindale)

Marilyn Robinson
University of Western Ontario

Alan Slavin
Trent University

Geraldine Thomas
Saint Mary's University

Phil Wood
McMaster University

Olive Yonge
University of Alberta

1992

Arshad Aamod
Concordia University

Guy Allan
University of Toronto

William Barnes
Queen's University

Jan Cameolo
University of Guelph

David Fool
University of Toronto

Diane Labrecho
Université de Montréal

Harry Murray
University of Western Ontario

Sue Stanton
University of British Columbia

Elizabeth Tomasoolo
University of Victoria

Wayne Weston
University of Western Ontario

1991

Nancy Adler
McGill University

Beverly Cameron
University of Manitoba

Dick Day
McMaster University

Laszlo deRoth
Université de Montréal

Dane Gally
University of Western Ontario

Abe Gaskinl
University of Western Ontario

Joseph Habowsky
University of Waterloo

Gordon Lange
University of Guelph

Bridemary Nielsen
University of Alberta

Don Uniien
Brock University

1990

Colla Baird
University of Western Ontario

Trevor Olkinson
University of Guelph

Graham Fishburne
University of Alberta

Bill Glasdorf
Concordia University

Penny Nassos
Memorial University

Insoullan Lasoso
University of Western Ontario

Jim Reeson
University of Alberta

Pat Rogers
University of Windsor

Fred Varmenloo
University of Alberta

John Young
Saint Mary's University

1989

Wiktor Askenos
University of New Brunswick

Jim Fawsiin
University of Ottawa

David Humphreys
McMaster University

Andrea Lebowitz
Simon Fraser University

Peter McLeod
McGill University

Alexander Middleloo
University of Guelph

Manfred Prokop
University of Alberta

Lola Stanford
University of Alberta

Paul Sills
University of Western Ontario

Clarke Thomson
Brock University

1988

Gilberi Allardyce
University of New Brunswick

Sohari Dosham
Simon Fraser University

Alex Fancy
Mount Allison University

Peter Frost
University of British Columbia

Terry Gilleagie
University of Guelph

Bob Hawkes
Mount Allison University

John Kuspira
University of Alberta

Estelle Lacoursiere
Université du Québec à Trois-Rivières

Peter Rosall
University of Western Ontario

Roe Smith
Concordia University

1987

Norman Gibbion
University of Guelph

Peter Kennedy
Simon Fraser University

Jack London
University of Manitoba

Roe Marken
University of Saskatchewan

Nadio Mikhail
University of Ottawa

Emis McFarland
University of Guelph

Roy Rasmussen
University of Alberta

Connie Rooke
University of Guelph

Bob Schoiz
University of Calgary

David Tapper
University of Winnipeg

1986

Roger Hook
University of Alberta

John Bell
University of Guelph

Jim Erskine
University of Western Ontario

Andy Farquharson
University of Victoria

Joyce Forbes
Lakehead University

Eligen Gillies
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Ralgé Krueger
University of Waterloo

Ron Konona
York University

Vladimir Sistek
University of Ottawa

Don Woods
McMaster University

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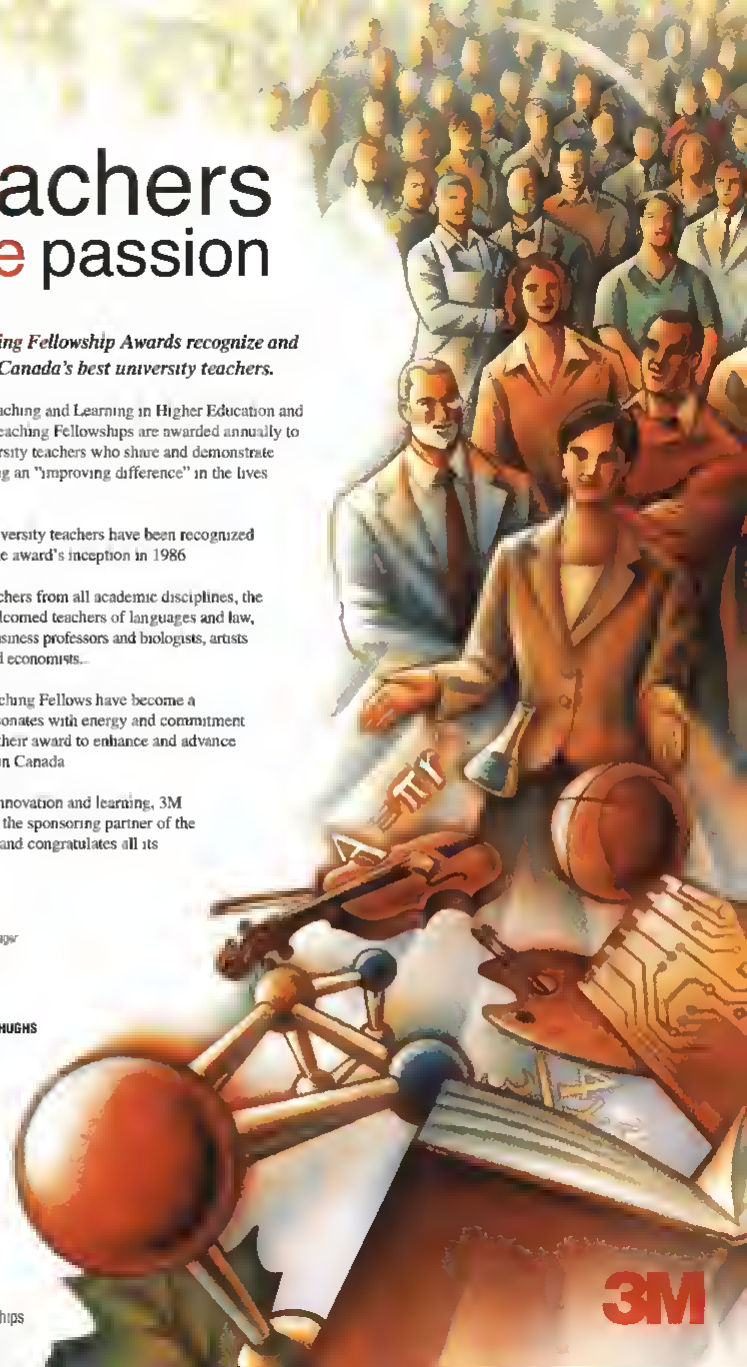


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WAGING A WAR FOR TALENT

With philanthropy playing a bigger role in fostering excellence, universities are increasingly able to attract the best and the brightest BY ANN DOWSETT JOHNSTON



Summerlee leads Guelph students through a problem-based seminar on sex and sexuality



ALASTAIR SUMMERLEE has never liked shoes. Nor does he put much stock in sleep. At best, the president of the University of Guelph spends four hours between the sheets each night, usually rising sometime after 3 a.m. to head to his office on the fourth floor of the University Centre. So it should come as no surprise that in the wee hours of Oct. 19 he could be found at his desk, shoeless and sockless, scrolling through his email and barrelling through his papers. If it had been a typical morning, Summerlee would have headed home at 7 to have breakfast with his wife and change into his suit. But this was not a typical day. Having just returned from a week abroad, the president had prepared a perfect schedule. He would work until 7, taking a short break to shave and switch into his suit. At 7:15, he would head for the highway and drive straight to Niagara-on-the-Lake, arriving for the 8:30 kickoff of the premier's Ontario Economic Summit—having already done a half day's work. "It was," says Summerlee, "a beautiful plan."

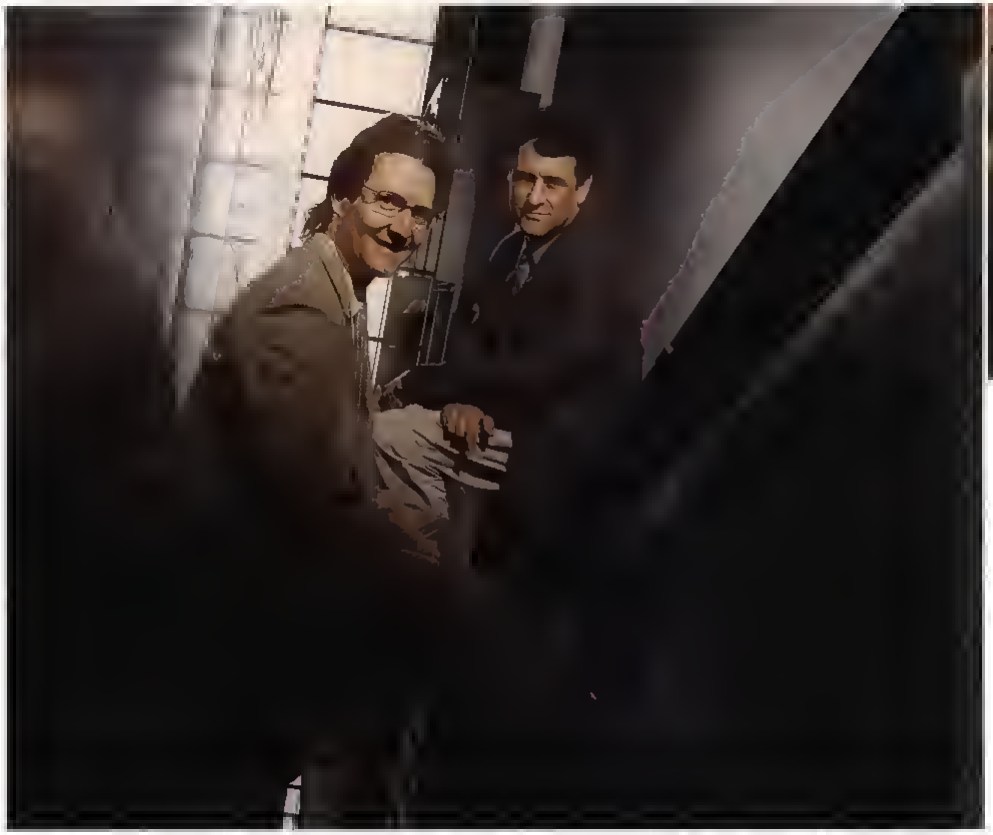
At 5, deciding to break early, the president began to run the water in the tiny adjoining washroom, preparing to shave. And that's when all hell broke loose. Fire alarms blared throughout the building. Minutes later the barefoot president was outside in the dark, trying to determine what on earth was happening. When the firemen arrived, they could find nothing. After three-quarters of an hour, the culprit was located: a 40-year-old water pipe had broken and was flooding the campus.

The upshot? All the students and researchers heading to the Hutt Building that morning would find themselves shut out. For a solid week, the building—home to many classes and major research projects—would be without water. And Summerlee? "Well," he says wryly, "this was only the *third* pipe to burst this year. I'm just glad no one was hurt. Someone was almost killed when one exploded earlier this year."

Guelph, which attracts $123 million in annual research funding, is home to the renowned Ontario Veterinary College and a new $144-million Science Complex—one of the largest biological life sciences facilities in North America. It is also saddled with a system of ancient pipes, feeding water into 127 buildings across campus. All need replacing. Says Summerlee: "Deferred maintenance comes in many stripes. Shabby buildings are sad, but not serious. Exploding steam pipes are huge safety hazards."

As a result, Summerlee—who happens to be a gifted neuroendocrinologist, a cancer researcher and winner of a 3M Teaching Fellowship—has had to reallocate $19 million he had slated for projects he holds most dear: faculty hires, classroom renovation and curriculum innovation. "Once upon a time, as we began to see fiscal restraints, we focused on hiring people," says Summerlee, "and that was the right thing to do. What we're living with now is the consequence: a huge deferred maintenance bill of $200 million. This year, the Ontario government presented a coherent strategy,

PHOTOGRAPH BY TOBIN GRIMSHAW





McAdams and Levitin, Schulich gives McGill a thumbs up, beside wife Tanna (in pink)

promising universities $6.2 billion over five years. We are very, very grateful, don't get me wrong. But this comes after years of disinvestment. The challenges are real."

Welcome to the world of the modern Canadian university president: a mink-coat-no-underwear reality, where there is a serious disconnect between the wealth of certain sectors and the shabbiness of others. Take Jillian Buriak, for instance. Spend five minutes with the spritely, spiky-haired nanoscientist and you think you've arrived in the land of milk and honey. Two years ago, the Harvard-educated Buriak, 38, turned down a tenured position at Princeton, choosing instead to move to the University of Alberta. There, as the new senior research officer and Canada Research Chair in inorganic and nanoscale materials, she will play a key role in helping shape the new $120-million National Institute of Nanotechnology (NINT), a unique collaborative effort between the U of A, the National Research Council and the Alberta government. Why Edmonton? "I felt I could have an impact here," says the mother of two. "NINT's research infrastructure and instrumentation are world-class," says Buriak. "To expose students and post-docs to the technology-transfer side of NRC is an incredible opportunity. And there's a new-frontier attitude here that I found irresistible."

No kidding. Take a stroll across the rambling U of A campus, and it's hard to find someone who *doesn't* mention NINT. Tim Caulfield, for example, the hip, black-bespectacled Canada Research Chair in health law and policy, will have a partnership with NINT. Says the boyish Caulfield: "Eighty per cent of my work is in biotechnology and ethical issues, human cloning." And nanotechnology? "It's the next wave."

But then there's Graham Lettner. "You hear a lot about the new initiatives around here—NINT, the new Health Sciences building," says the student president, who then offers a big caveat. "Being a student here is not a dynamic experience. Teaching is not looked at creatively—it's dry and mundane." Even in debt-free Alberta? "Sure," says Lettner, sitting in a dark corner of a campus café, "the taps are turned back on. But I don't think the government intends to revert to the Sixties teaching style."

Many of his peers share his view. This fall, the notorious Aberdeen Street party in Kingston, Ont., turned into a riot on Queen's University's homecoming weekend. A crowd of 7,000 showed up for the event, including students from universities across Canada. Dalhousie, McGill, Bishop's and many others. In the end, police laid 22 criminal charges. More than a few students blamed what happened on alcohol, of course, but also on a sense of deep disenfranchisement.

George Lovell, who sports a long grey ponytail and a thick Scottish accent, loves to teach. A professor of geography at Queen's, Lovell takes the students in his evening classes out for nachos and beer. "I'm just the facilitator," he says. "My good teachers kept me entertained—cultivated a sense of curiosity. This group of students? They're not lost, but they're not getting as much guidance as they deserve."

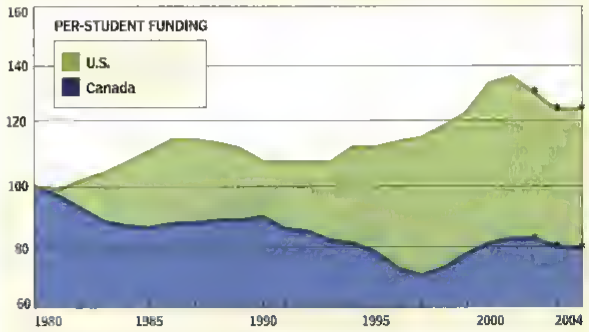
It's a common sentiment. While the federal government has invested generously in the Canada Research Chair program and other research-related initiatives, per-student funding has been plummeting across the country. Take Alberta, a province awash in petro-dollars, but in terms of per student funding, it ranks seventh out of 10 provinces. Carl Amrhein, provost and vice-president, academic, at the University of Alberta, admits that "Christmas came early this year," referring to Premier Ralph Klein's bonanza announcements of almost $5 billion for higher education. "But," he says, "the student-faculty ratio is still a tough nut to crack."

Tough right across Canada. In recent years, enrolment has gone through the roof, but faculty hiring has barely budged. Meanwhile, in the United States, faculty renewal kept pace as our neighbours experienced a similar surge in enrolment. This year, it should come as no surprise that several

'In recent years, Canadian enrolment has gone through the roof, while faculty hiring has barely budged'

A CROSS-BORDER FUNDING GAP

When it comes to government support for universities, how does per-student funding in Canada differ from that in the United States? In short, a whole lot. Between 1980 and 2004, per-student funding at four-year public institutions in the United States rose by 25 per cent, in constant dollars. In Canada, it fell by 20 per cent.



Index 1980 = 100
*Estimate

SOURCE: ASSOCIATION OF UNIVERSITIES AND COLLEGES OF CANADA USING DATA FROM STATISTICS CANADA AND THE NATIONAL CENTER FOR EDUCATION STATISTICS

PHOTOGRAPH BY CHRISTINNE MUSCHI

MCGILL UNIVERSITY



Research superstars Caulfield and Buriak are exploring the frontiers of knowledge

presidents of large research-intensive universities have expressed deep and public concern about the undergraduate experience. Says Indira Samarasekera, the dynamic new president of the University of Alberta: "Students are passing through the system who can't get a letter of reference because they don't know one professor well enough to ask for one in their final year. What an indictment of the system!"

How do you spark the pilot light for a student sitting in a class of 400? Certainly, there are star professors who can do this. Take Marty Wall, psychology prof, a.k.a. the "Johnny Carson of the U of T." According to David Naylor, former dean of medicine and newly appointed president of U of T, Wall can turn Convocation Hall into a small living room. "But," he concedes, "not many professors have that gift." The U of A president agrees: "Research universities need to articulate what they can do for the undergrad. We need research fellowships for third- and fourth-year students, to expose them to the notion of discovery. Undergrads and grad students need more faculty. Right now, we have a capacity problem."

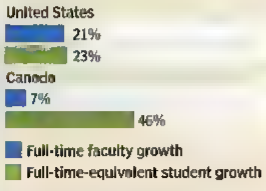
In fact, president Harvey Weingarten at Calgary says they are bursting at the seams. "We can't keep up. Calgary's a boom town and there's a mood of enthusiasm. But when Imperial Oil moves here, families expect their children to get educated." In the '90s, the university absorbed a large proportion of the province's post-secondary growth. "It hurt us! We grew too big, and we won't do that again. With all the money in Alberta, there will not be enough to meet the demand. It's a good problem, but a problem all the same: the city is growing like Topsy. And we need hundreds more physicians, engineers, nurses, lawyers, economists."

Last month, Bill Gates went shopping for talent at the University of Waterloo, one of six universities he visited in three days, and the only one in Canada. Call it a one-person career fair. "U of W grads will have lots of offers," Gates told a packed lecture hall. "We just want the best and the brightest—we don't want them to work on hedge funds." But when *Maclean's* asked him whether he would think of making a major investment in Waterloo, building a research centre like the one in Redmond, Wash., he got decidedly cranky. Obviously, it's not in the cards.

MORE AND MORE, philanthropy is the the engine that helps drive the schools ahead. This year, once again, Seymour Schulich decided to take matters into his own

CLASSROOMS ARE FULL. SO WHERE ARE THE PROFS?

Between 1987 and 2003, full-time faculty growth in the United States kept pace with enrolment. In Canada it was a different story. Enrolment rose by almost 50 per cent, but faculty growth lagged at a mere seven per cent.



SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS, STATISTICS CANADA AND ASSOCIATION OF UNIVERSITIES AND COLLEGES OF CANADA ESTIMATES

PHOTOGRAPH BY TODD KOROL

When it comes to making important decisions, you always do your homework.

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hands. "Every university president that I've gotten to know has been a fabulous person," says the extroverted mining magnate. "But I want to cry when I see what they get paid versus these silly athletes. And their problems are so vexing."

First, Schulich decided to give $25 million to the University of Calgary for its engineering faculty. "Alberta is going to have more money than Saudi Arabia—so why did I give money there? A third of my wealth came from Alberta, and I'm the biggest believer in reciprocity you'll ever meet." He's on a roll. "The second reason? "I liked the president."

That's Weingarten. But he made it clear to Calgary's rumpled, straight-talking executive head that there would be no gift unless David Hancock, Alberta's minister of advanced education, anted up as well. "When I put down my $100 bet in Vegas," says Schulich, "the other guy doesn't say, 'How



'What will make or break a school is whether or not they are getting the best faculty. It's the buzz factor.'

about I put down mine over the next three years.' Dave Hancock took three weeks to get the matching money—that's warp speed in that world!"

If Schulich has a soft spot for Alberta, he has an even softer one for his alma mater, McGill, and principal Heather Munroe-Blum. "I like her a lot," he says. "I wouldn't put her in Rob Prichard's shoes yet. If Prichard is a 10, she's a nine. But she may make it. She has great potential."

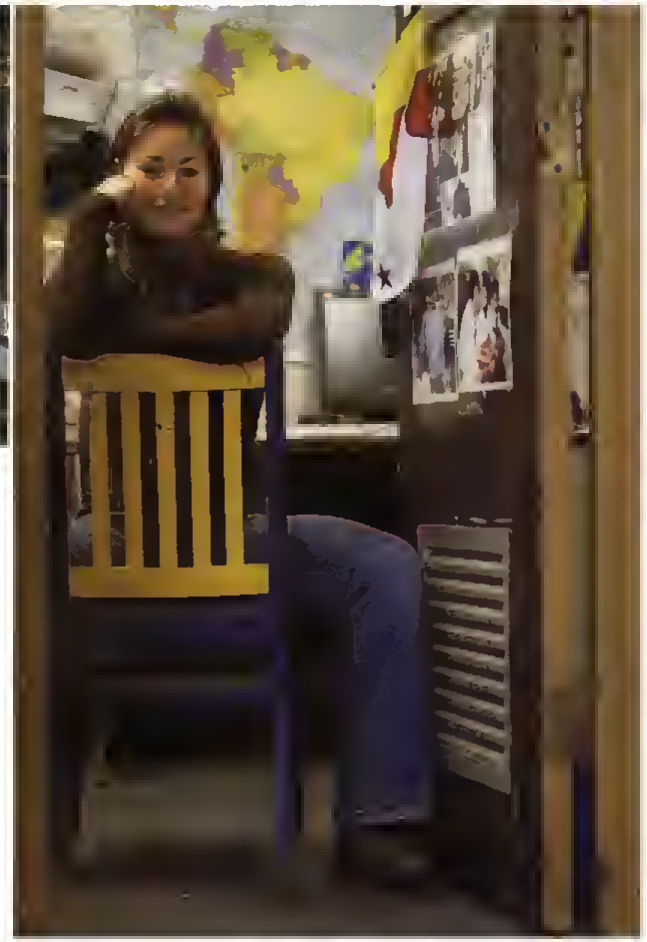
Schulich is sitting at Munroe-Blum's dinner table in Westmount, kidding around with her husband, screenwriter Len Blum. On the polished table between them is a brown envelope with two Canadian stamps. Blum has brought it out for this occasion, a prop for his after-dinner toast to honour the philanthropist and his wife, Tanna, on the occasion of their $20 million gift to the McGill Faculty of Music. So just what did Schulich scribble on that envelope, the one he returned to Blum by mail? He circled the two stamps and said, 'Len, you'll never get rich this way!' "

The kid who grew up in Montreal's Notre-Dame-de-Grace neighbourhood, whose classmate and best friend was and still is Lawrence Bloomberg, doesn't forget his roots. The next morning, as Schulich stood on the stage of the newly christened Tanna Schulich Recital Hall in the new Schulich School of Music, he wore black socks with treble clefs on them, and a maroon tie with notes as well. And as dozens of new Schulich Scholars poured onstage, wearing black T-shirts emblazoned with "Merci Seymour," Bloomberg sat in the front row, beaming.

Also beaming were Dan Levitin and Stephen McAdams. A Californian who dropped out of the Massachusetts Institute of Technology at 17 after he played *Abbey Road* too loud in his residence and his speakers burst into flames, Levitin took a circuitous route to becoming the Bell Chair in Psychology of Electronic Communication. After his short stint at MIT, he joined a punk band and went on to be a music producer.

But, when he began teaching a course at Stanford, they suggested that it might be best if he got his B.Sc. Now, with more than $2 million in research grants and about to publish a book, *This is Your Brain on Music*, Levitin has a deep appreciation of what Schulich's gift makes possible. "I was at Stanford when the Bill Gates Computer Science building opened," says Levitin. "It created a recognition that the university was where it was at for computer science. I would say the same thing is true here: this provides post facto recognition of some sort of world-class expertise that we have attained. The most important practical benefit is recruitment—what will make or break a department or school is whether they are getting the best students and faculty. We've been very successful in recruiting—we've tended to get anyone we wanted. It's the buzz factor."

Call it human Velcro: smart people attracted to other smart ones. One of those people drawn to McGill was Levitin's pal Stephen McAdams. Now a Canada Research Chair in music, perception and cognition, and the head of the Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT), McAdams, also a Californian, first came to McGill in 1975, to study perception. Two years ago, he returned after 20 years at a research institute in Paris. Says McAdams: "Up until the Schulich gift, CIRMMT was a sort of interdisciplinary virtual network. But when Schulich gave $8 million to the building, the CIRMMT labs were made possible, and that's where it really takes off—a beehive of people doing collective work, rubbing shoulders in multidisciplinary groups. It's absolutely extraordinary here. Something very special is going on."



Eagles planning her travels at Queen's; Waterloo students watch Gates (above left)

SOMETHING very special is going on also at Guelph, an experiment in going small. Five years ago, Summerlee—then VP academic, launched a series of problem-based seminars as a pilot project. Each of the 45 offerings is taught by a senior academic, and the president himself teaches Sex and Sexuality with dean of arts Jacqueline Murray, a medieval historian. For three hours each week, eight students have the undivided attention of the two. The students are given a new challenge every time, and have to return with a solution. The result? "I've been exposed to so many issues that I can't decide whether to go to medical school or law school," says Emily Gilbert. "Sitting in a lecture hall is now painful. Most students are conditioned to 400-person classrooms. And people who haven't experienced a smaller course can't stand being that exposed. Now everyone's terrified of having an opinion—and that's the scariest of all."

Summerlee is determined to spread the word about the benefits of his problem-based seminars. Last summer, seven students travelled to P.E.I. for a demonstration case at a conference of the Society for Teaching and Learning in Higher Education. As 30 professors looked on, the students were presented with a problem that they had to solve within 24 hours: can a convicted pedophile ask to be denied parole until he is chemically castrated? The students came back with a smashing presentation that moved some seasoned profs to tears. Summerlee's fondest hope was to expand the number of seminar courses this year, but when the pipes blew, the money went to excavation.

Actually, many university leaders are trying to bring a sense of intimacy to the learning environment. Naylor admits that U of T's big classes can be "tough sledding for young people—especially in the sciences." But, he adds, "We're working very hard on first year learning communities: groups of 24 students working with a student mentor and a faculty resource person. You can make a big place seem small by offering detailed feedback, a small-college interaction makes it much more engaging."

Making a big place seem smaller is an idea that Martha Piper, president of the University of British Columbia, has been wrestling with. Over the past several years, UBC has established a series of international residences on the campus, with Canadian students sharing space with students from Mexico, Korea and Japan. "The biggest challenge we face is how to educate the global citizen," says Piper. "You can be a global citizen and never leave the campus. But you need to be culturally literate."

She's right. And increasingly, students

PHOTOGRAPH BY PETER BREGG/MACLEAN'S

PHOTOGRAPH BY CHRISTINNE MUSCHI

GRADING THE GRADERS

Since its launch in 1999, *ratemyprofessors.com* has been a huge hit on North American campuses, giving tens of thousands of students a forum for venting their beefs or registering a rave. And in the four years since the Towson, Md.-based company introduced *ratemyprofessors.ca*, the Canadian version has received nearly 700,000 ratings from some 400,000 students. Why such a runaway success? The website provides a rare opportunity for students to post their anonymous opinions and to read those of others. Students can rate a prof's easiness, helpfulness, clarity—and hotness. According to the website, every new rating is reviewed, by student administrators at each of the schools, as well as staff at *ratemyprofessors*, who reserve the right to delete comments or even the whole rating if it's deemed unacceptable. Click on "funniest comments," and read about the knowledge one student gained in a certain prof's class: "I learned there are 137 tiles on the ceiling."

No doubt, *ratemyprofessors* attracts more than its fair share of students with an ax to grind. James Turk, executive director of the Canadian Association of University Teachers, dismisses the site as "entertaining but useless." Some question its validity. According to Robert Silverman, dean of arts and science at Queen's University, he has had a poor rating and a medium one. Adds the dean with a chuckle: "One was a sociology course out of my area. The other is a psych course in which I have no expertise."

Jen Mitchell, vice-president of student affairs for the Wilfrid Laurier student union, calls *ratemyprofessors* "a necessary evil," adding that it fills a huge void. Most universities give students an opportunity to take part in course and professor evaluations, but less than a third give them access to the results. The most common reason evaluations are considered a teaching tool and the private property of the prof, as outlined in the faculty collective agreement. Of the universities that make the tallies available, some give profs the option to have their evaluations withheld. At the University of Guelph, where evaluation results are not released, the Central Student Association launched its own *rateaprof.ca* last month after a year of planning and research. The site's snappy tag line says it all: "Grade your professor, look at other professors' grades, make informed choices." CSA academic commissioner Kim Neale, who maintains the site, says that in less than a month they've posted more than 200 ratings. "It's an extreme success," says Neale, "and strictly through word of mouth. Students really want to know what other students think about their profs."

	PROF EVALUATIONS PUBLIC		PROF EVALUATIONS PUBLIC
Acadia	No	New Brunswick	No
Alberta	Yes*	Nipissing	No
Bishop's	Yes	UNBC	No
Brandon	No	Ottawa	Yes*
UBC	Yes	UPEI	No
Brock	No	Queen's	Yes
Calgary	Yes*	Regina	No
Cape Breton	No	Ryerson	No
Carleton	No	St. Francis Xavier	No
Concordia	No	Saint Mary's	No
Dalhousie	No	St. Thomas	No
Guelph	No	Saskatchewan	Yes
Lakehead	No	Sherbrooke	No
Laurentian	No	Simon Fraser	No
Laval	No	Toronto	Yes**
Lethbridge	No	Trent	No
Manitoba	Yes	Victoria	No
McGill	Yes**	Waterloo	Yes**
McMaster	Yes*	Western	Yes*
Memorial	Yes*	Wilfrid Laurier	No
Moncton	No	Windsor	Yes*
Montréal	No	Winnipeg	No
Mount Allison	No	York	No
Mount Saint Vincent	No		

*Results available online. **Some results available online.

want that for themselves. Take Queen's student Leigh Eagles, now in her fourth year of a sociology and development studies degree. To date, she has volunteered in a Nepalese orphanage and spent a summer running a literacy camp in Nunavut. The trip to the Canadian North was organized through the Queen's Project on International Development, which sends students to developing communities in such places as Nicaragua and Burkina Faso to work in hands-on projects. Eagles's plan for next year is to head to India for an internship. Says the 21-year-old: "This sort of experience gives you new eyes."

Samarasekera has vowed to make a difference in the years ahead. Says the new president at U of A: "There's a tsunami of global change out there, and we are all lying on the beach here. India and China each have one billion people in a world of six billion. Universities that don't engage in those regions won't really be able to contribute in the future. We need to reach out."

She envisions an investment in grad students, wooing brilliant candidates from across Canada and around the world. Why not, for instance, a prestigious federal initiative, like the Rhodes Scholarships or the Fulbrights? "The U.S. and Britain got it right with those programs," she says. "Why? A grad student is likely to stay in the country where they did their degree. It's a way of attracting talent. And as someone recently said, George Bush is the best recruiting officer Canada has ever had—since 9/11, many international students have had their eye on Canada."

The bill for the Canada Research Chair program, which is a federal initiative, now sits at $1.6 billion, and there are many who would argue that the government could easily fund a similar program for graduate students, without stepping on any toes. "We need to build capacity at the grad level," says Amrhein. "Grad students are disproportionately the source of new patents. We can do many things if grad students are funded: it unleashes innovation. And, if at the end of their undergrad years you lose them to another jurisdiction, then all you've done is lose them after 12 years instead of 16."

Heather Munroe-Blum couldn't agree more. "In the mid-'90s, when I was VP research at U of T, and the federal government cut back their funding, we asked the top 10 per cent of research fund recipients: 'If we can only do one thing, what would it







Lovell with a student in his office; rowdy students on a flipped car in Kingston, Ont.

be?' The answer? Allow us to maintain and grow the number of grad students to sustain our research—or our innovation and productivity will sink like a stone." She believes that creating a progressive program of grad support, linked to the granting councils, including international students and our own, would be the correct investment. "Right now, we're dramatically underfunded to be able to compete."

Maria Klawe despairs. "The Canadian government must make more significant reinvestment," says the dean of engineering at Princeton, formerly dean of science at UBC. "Quality has gone down significantly across the country."

Winnipeg native Mark Schaan, a Waterloo grad and Rhodes Scholar who is now assistant dean of Oxford's Somerville College, sees it very clearly. "Governments want accessibility so that everybody and their dog can go to university," he says, "but they're not willing to pay for it. Where does that leave us? That only the brightest go to university?" Now doing his Ph.D. on the changing nature of Canadian social policy, he says: "We send everyone who could benefit from university—which is almost everyone—and put them them in huge classes, where the best and brightest can't learn."

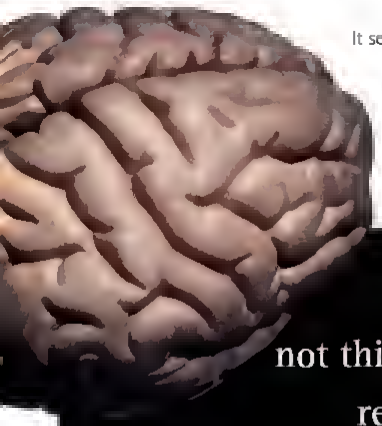
Last month, Schulich received a call from Prime Minister Paul Martin, congratulating him on his generosity to McGill University. It was a well-deserved thank you. At this point, Schulich has given more than $100 million to Canadian universities. Now, he says that's enough. "I'll give more posthumously," he vows, "but I'm not doing any more before that. We've plastered my name on enough things! But ultimately, I'll strengthen what I've given to."

So what should come next? "Ken Thompson, the Irvings—they should do the same thing. We need to create a culture of giving in Canada." And the government? "Well," he sighs, "you know, I've come to believe that governments don't run things very well. But God's own truth: Private guys do." M

With Mary Dwyer, Sandy Farran, Gloria Kim, Karin Marley and David Wright



PHOTOGRAPH BY CHRISTINNE MUSCHI (TOP); MARK BERGIN/THE WHIG-STANDARD



It seems the only thing great minds have in common is a never-ending thirst for knowledge. At the University of Windsor, we believe that the best way to address and nurture the unique characteristics of each student is to provide the freedoms and flexibilities to help them flourish.

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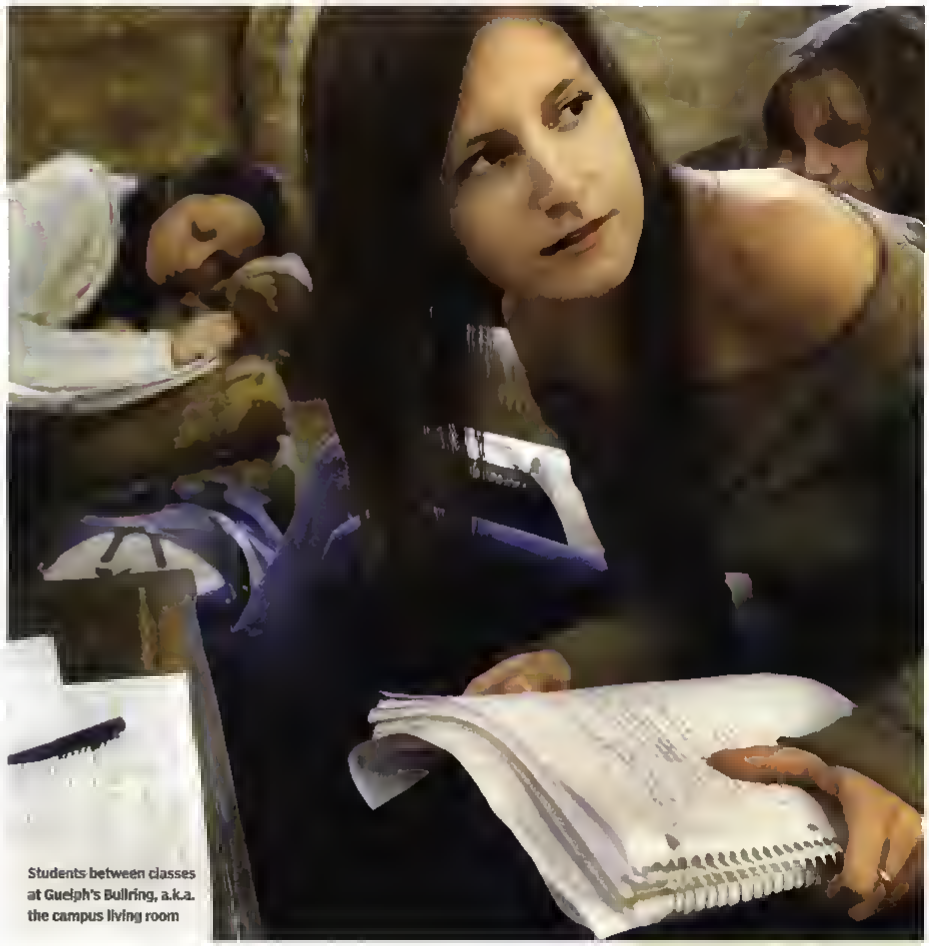
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Students between classes at Guelph's Bullring, a.k.a. the campus living room

THE RANKINGS

WHAT EVERY STUDENT NEEDS TO KNOW

Where are the smart students, the small classes, the rich library resources? Which university has the best first-year retention rate? The highest graduation rate? The largest out-of-province draw? The strongest national reputation? *Maclean's* presents its annual rankings of 47 Canadian universities, from small liberal arts institutions to major research powerhouses.

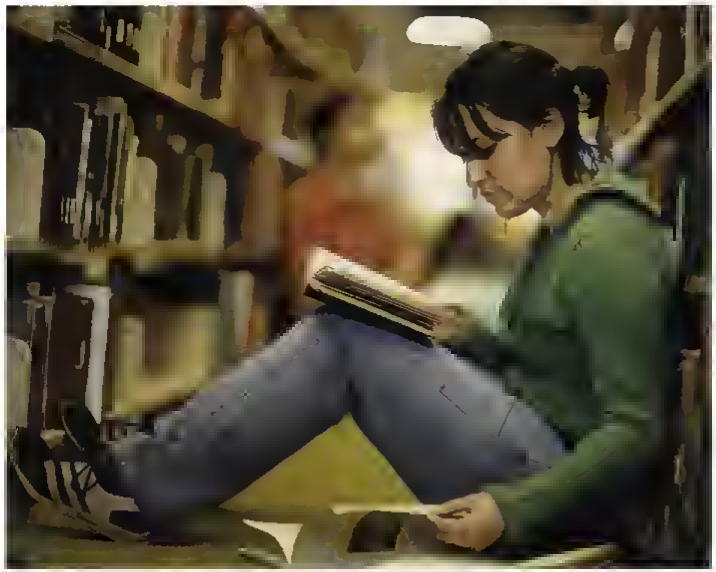
32 Methodology
34 Medical Doctoral Rankings
39 Comprehensive Rankings
43 Primarily Undergraduate Rankings
46 Student Body
52 Classes
56 Faculty
58 Finances
60 Library
66 Reputation
68 Value Added
68 Directory
72 Financial Planning

PHOTOGRAPH BY TOBIN GRIMSHAW

RANKING CANADIAN UNIVERSITIES

ANN DOWSETT JOHNSTON and MARY DWYER explain the methodology behind the annual *Maclean's* survey

The *Maclean's* rankings offer students and parents a rare view into the ivory tower—and a unique opportunity to make informed decisions on the comparative strengths of public universities across Canada. On behalf of those readers, we ask a number of key questions related to the undergraduate experience. Where are the brightest first-year students? Where will you find the smallest classes? Where are you most likely to have access to tenured faculty? Where will you find the richest library resources? Which university has made the largest commitment to student services or scholarships and bursaries? Which university has the best reputation for quality and innovation? *Maclean's* asks all this, and much more.



Third-year Mount Allison student Rachel Pardoe studying in the R. P. Bell Library

HOW THE RANKING IS DONE

In April, a detailed questionnaire was circulated to the universities. Throughout the spring and summer, we collected information on student and faculty awards from the administering agencies and sent out thousands of reputational surveys across the country. Throughout the fall, we spent several weeks collating and checking the data. Consulting statisticians from McDougall Scientific Ltd. performed the final calculations.

HOW WE PLACE THE UNIVERSITIES IN PEER GROUPS

Using such factors as research funding, diversity of offerings and the range of Ph.D. programs to define peer groupings, *Maclean's* places each university in one of three categories. Primarily Undergraduate universities are largely focused on undergraduate education, with relatively few graduate programs. Those in the Comprehensive category have a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels, including professional degrees. Medical-Doctoral universities offer a broad range of Ph.D. programs and research, as well as medical schools.

In reporting to *Maclean's*, universities include all federated and affiliated institutions. The magazine does not rank schools with fewer than 1,000 full-time students or those with a strictly religious or specialized mission.

HOW WE EVALUATE

The universities in the three categories are treated as separate but equal. *Maclean's* ranks the schools on a range of factors in six broad groupings (weightings are in parentheses). In total, Primarily Undergraduate universities are ranked on 22 performance measures, Comprehensive universities on 23 and Medical-Doctoral universities on 24—resulting in slightly different weightings for some performance measures.

STUDENT BODY

(22% to 23% of final score)

Students are enriched by the calibre of their peers. For that reason, *Maclean's* collects the incoming students' average high-school grades (11%), and the proportion of those with averages of 75 per cent or higher (2%). This count includes only those students whose secondary-school averages or CÉGEP scores served as the basis of admission. With the exception of CEGEP scores, no conversion formula is applied to incoming grade averages to adjust for provincial differences or varying admission policies.

As a measure of drawing power, we count the proportion of out-of-province students in the first-year undergraduate class (1.5%). The percentage of international students in the first-year undergraduate class (0.5%) is measured as well, acknowledging the benefits such diversity brings to the classroom. The percentage of international students at the graduate level (1%) is also measured for Comprehensive and Medical-Doctoral universities.

In taking stock of retention rates (2%), *Maclean's* asks for the percentage of first-year students who return in second year, either full-time or part-time. While many factors can affect a student's choice not to return—personal considerations, or a decision to transfer to a professional program unavailable

PHOTOGRAPH BY DAN CALLIS

More benefits



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Direct entry to the field of choice

Experienced professors with top academic qualifications, industry connections and professional designations

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Animation (Sheridan)
Behavioral Psychology (St Lawrence)
Creative Advertising (Humber)
Human Services Management (Loyalist)
Illustration (Sheridan)
Integrated Land Planning Technologies (Fanshawe)
Interior Design (Algonquin, Humber)
Paralegal Studies (Humber)

BACHELOR OF APPLIED BUSINESS

Accounting and Information Technology Management (Centennial)
Automotive Management (Georgian)
e-Business Supply Chain Management (Algonquin)
e-Business (Humber)
Financial Services (George Brown)
Financial Services Management (Seneca)
Hospitality Operations Management (George Brown, Niagara)
Human Resources Strategy and Technology (Seneca)
International Accounting and Finance (Seneca)
Tourism Management (Humber)

BACHELOR OF APPLIED HEALTH SCIENCES

Athletic Therapy (Sheridan)
Health Informatics Management (Conestoga)

BACHELOR OF APPLIED HUMAN SERVICES

Behavioural Psychology (St Lawrence)
Indigenous Leadership and Community Development (Confederation)
Police Studies (Georgian)

BACHELOR OF APPLIED INFORMATION SCIENCES

Computer and Communication Networking (Centennial)
Information Systems Security (Sheridan)
Software Systems – Design, Development and Management (Centennial)
Software Systems (Humber)

BACHELOR OF APPLIED TECHNOLOGY

Advanced Manufacturing Technologies – Wood and Composite Products (Conestoga)
Architecture – Project and Facility Management (Conestoga)
Biotechnologie (La Cité collégiale)
Biotechnology (Fanshawe)
Construction and Environment – Regulation and Compliance (George Brown)
Construction Science and Management (George Brown)
Environmental Health and Safety (Lambton)
Flight Program (Seneca)
Industrial Design (Humber)
Industrial Management (St Clair)
Instrumentation and Control (Lambton)
Integrated Advanced Manufacturing Technologies (Conestoga)
Integrated Environmental Site Remediation (Seneca)
Integrated Telecommunications and Computer Technologies (Conestoga)
Informatics and Security (Seneca)
Internet Systems (Mohawk)
Photonics (Algonquin, Niagara)
Process Automation (Mohawk)
Science and Technological Education (Cambrian)
Software Development (Seneca)
Technology Management (Mohawk)

BACHELOR OF MUSIC

Contemporary Music (Humber)

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BASIC ADMISSION REQUIREMENTS

OSSD and six Grade 12 U or U/C (M) credits
OR a combination of U and U/C (M) level credits or equivalent
A minimum average grade of 65%

More degrees are under development. Please see degreesindemand.ca for updates. You'll also find links to individual college websites for specific program details and admission requirements, which vary by program.



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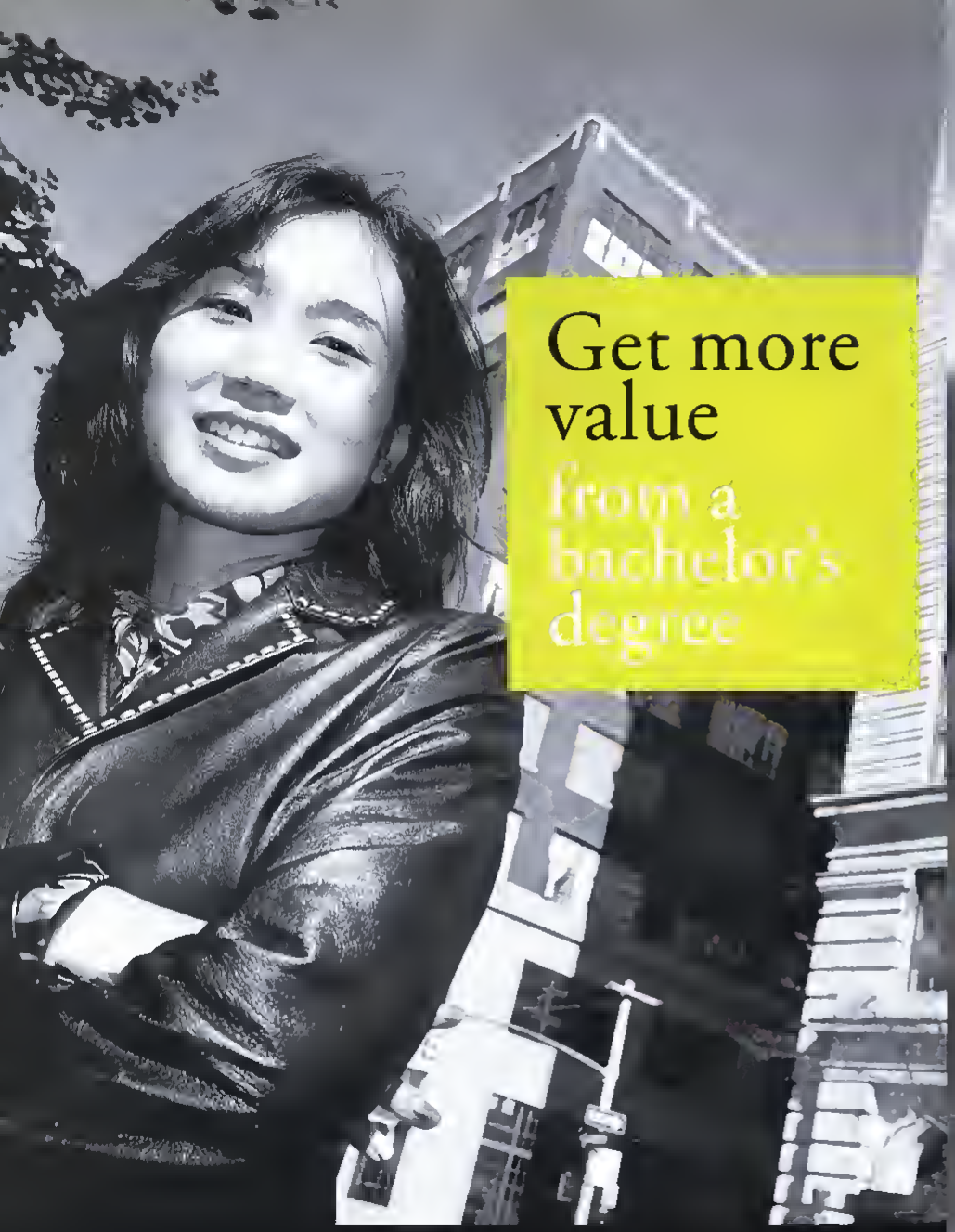
Jorma Salmikivi, BSc (Eng.)
EH&S Regulatory Affairs Leader
Dow Chemical Canada Inc.

"We really need smart, highly trained people who can respond quickly to constantly changing demands – managers who appreciate our industry's business processes, technology and customer relations, and can make an immediate contribution. We expect these bachelor's degree graduates will offer the combination of skill and knowledge we want."

Joe Dahl, FALU, CLU, FLMI
Vice President, Underwriting
Sun Life Financial

"Your degree program and capable faculty have really tuned our son into business and opened his mind and spirit in such a positive way. His new passion and drive to achieve is what every parent dreams of for their children. Thank you."

Marc & Danielle Caron



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The degree of [illegible]nce that defines today's career success starts at Ontario's [illegible]olleges. This bachelor's degree delivers what key employers want now. We know because they've [illegible] breed of graduate, and expect ours to go [illegible]

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Degrees in demand



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at their home university—student retention, on the whole, reflects a university's success in keeping its students on course. *Maclean's* also measures graduation rates (2%), the percentage of full-time undergraduates in their second year who go on to graduate from the institution within one year of the expected time period.

In addition, *Maclean's* collects data on the success of the student body at winning national academic awards (3%) over a five-year period.

CLASSES (17% to 18%)

The rankings take stock of the entire distribution of class sizes at the first- and second-year levels (7.5% for Primarily Undergraduate universities, 7% for the other two categories), as well as the third- and fourth-year levels (7.5% for the Primarily Undergraduate category, 7% for the others). *Maclean's* measures the percentage of students in classes in each of the following class-size ranges: 1 to 25, 26 to 50, 51 to 100, 101 to 250, 251 to 500; 501 and higher.

Maclean's also ranks universities on the percentage of first-year classes taught by tenured and tenure-track professors (3%).

FACULTY (17%)

In assessing the calibre of faculty, *Maclean's* calculates the percentage of faculty with Ph.D.s (3%), and the number who win national awards (3%). In addition, the magazine measures the success of eligible faculty in securing grants from each of the three major federal granting agencies: Social Sciences and Humanities Research Council of Canada, Natural Sciences and Engineering Research Council of Canada, and the Canadian Institutes of Health Research, as well as the Canada Council. *Maclean's* takes into account both the number and the dollar value received last year. Social sciences and humanities grants plus Canada Council grants (5.5%) and medical/science grants (5.5%) were tallied as separate indicators.

FINANCES (12%)

This section examines the amount of money available for current expenses per weighted full-time-equivalent student (3.3%), as well as the percentage of the budget spent on student services (4.3%) and scholarships and bursaries (4.3%). When presenting their general operating budget, institutions deducted any funds used to pay off debt.

LIBRARY (12%)

This section assesses the breadth and currency of the collection. Universities received points for the number of volumes and volume equivalents per number of full-time equivalent students (4% for Primarily Undergraduate and Comprehensive, 3% for Medical-Doctoral). The total holdings measurement was used in the Medical-Doctoral category (1%), acknowledging the importance of extensive on-campus collections in those universities.

As well, *Maclean's* measured the percentage of a university's operating budget that was allocated to library services (4%) and the percentage of the library budget spent on updating the collection (4%). In acknowledging a shift from the traditional library model to an access model, *Maclean's* captures spending on electronic resources in both the library expenses and acquisitions measurements.

REPUTATION (19%)

This section reflects a university's reputation with its own graduates, as well as within the community at large. For the reputational survey (16%), respondents rated the universities in three categories: Highest Quality, Most Innovative and Leaders of Tomorrow. Best Overall represents the sum of the scores.

WEIGHTINGS OF INDICATORS

Maclean's ranks universities on 22, 23 or 24 performance measures, according to peer grouping, and then allocates the appropriate weights to those measures.

STUDENT BODY	**22% to 23%**
Average Entering Grade	11%
Proportion with 75% or Higher	2%
Student Retention	2%
Proportion Who Graduate	2%
Out of Province (1st Year)	1.5%
International (1st Year)	0.5%
International (Graduate)*	1%
Student Awards	3%
CLASSES	**17% to 18%**
Class Sizes: 1st and 2nd Year Level	7% to 7.5%
Class Sizes: 3rd and 4th Year Level	7% to 7.5%
Classes Taught by Tenured Faculty	3%
FACULTY	**17%**
Faculty with Ph.D.s	3%
Awards per Full-time Faculty	3%
Social Sciences and Humanities Grants	5.5%
Medical/Science Grants	5.5%
FINANCES	**12%**
Operating Budget	3.3%
Scholarships & Bursaries	4.3%
Student Services	4.3%
LIBRARY	**12%**
Total Library Holdings†	1%
Holdings per Student	3% to 4%
Acquisitions	4%
Expenses	4%
REPUTATION	**19%**
Alumni Support	3%
Reputational Survey	16%

*Comprehensive and Medical-Doctoral categories only
†Medical-Doctoral category only

When looking at alumni support, institutions received points for the number—rather than the value—of gifts to the university over the past five years (3%).

REPUTATIONAL RESPONSE RATE

This year, *Maclean's* solicited the opinion of 11,620 individuals across the country. They included university officials at each ranked institution, high-school principals and guidance counsellors from every province and territory, the heads of a wide variety of national and regional organizations, plus CEOs and recruiters at corporations large and small. The reputational survey is both regional and national, dividing the country into four key areas: the western provinces, Ontario, Quebec and the Atlantic provinces. All respondents completed a national survey; university officials, principals and guidance counsellors also completed regional ones.

GROUP	RESPONSE RATE
University Officials	40.3%
High-school Principals	6.2%
Guidance Counsellors	9.3%
CEOs	7.2%
Corporate Recruiters	7.9%
Heads of Organizations	10.4%
TOTAL	11.1%



MEDICAL DOCTORAL WINNER | McGILL UNIVERSITY

Graced with history and imbued with a sense of renewal, this Montreal powerhouse is attracting bright students and faculty from around the globe, writes KATHERINE MACKLEM

McGILL UNIVERSITY

When Clive Chang graduated from high school with a 97 per cent average in 2002, he was showered with scholarship offers. To his mother's chagrin, he turned down one valued at $40,000. "That's two cars' worth," she told him. But Chang, now pursuing two degrees at McGill University—in commerce and music—and handling an extraordinary load of nine courses, was wowed by the Montreal institution. Even though it offered less scholarship money than others, he knew McGill was his first choice the moment he passed through its famed Roddick Gates. "I remember walking through Montreal," says Chang, who grew up in Mississauga, west of Toronto. "It was so busy-crazy. Then I turned onto the campus and it was a different world. My first experience in Montreal was so great, it was, 'Mom, I'll settle for one car's worth and go to McGill.' "

A world renowned research institution,

Munroe-Blum's long-term strategy envisions a truly student-centred campus downtown

and tied as Canada's top-ranked medical-doctoral university, McGill has long attracted many of the best students and faculty in the country. Founded in 1821, it boasts 32,000 students, 1,485 professors and 21 faculties. Once home to such luminaries as writer Hugh MacLennan and humourist Stephen Leacock, McGill now hosts a new generation of stars, including pain specialist Jeffrey Mogil, astrophysics whiz Victoria Kaspi and genomics wunderkind Tom Hudson. And,

MEDICAL DOCTORAL UNIVERSITIES

The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Medical Doctoral category have a broad range of Ph.D. programs and research, as well as medical schools.

like the city it occupies, it's graced with a magic that's as much steeped in its history as in the enveloping culture. Yet as solid as its reputation is at home and globally, McGill has not led the *Maclean's* ranking for more than a decade. Now, with a dynamic principal at the helm, its story is one of renewal and rejuvenation.

A former vice-president of research at the University of Toronto, Heather Munroe-Blum is a brilliant strategist with a well-defined vision. She points out that even though Quebec tuition has been frozen since 1994, leaving McGill "grotesquely underfunded," the university has maintained its emphasis on quality. A prime beneficiary of provincial and federal initiatives, McGill leverages government grants with support from philanthropists and research partners. Under a national initiative to create 2,000 research professorships, the Canada Research Chairs, McGill has used its CRCs—and their prestige—

PHOTOGRAPH BY CHRISTINNE MUSCHI



MEDICAL DOCTORAL WINNER | UNIVERSITY OF TORONTO

An eminent research institution is redoubling its efforts to ensure that undergrads have what it takes to become world-class innovators, writes VICTOR DWYER

to recruit externally, attracting 109 top-notch CRC academics. In all, McGill has hired 100 new professors in each of the past five years, most from outside Canada. Today, fully a third of McGill's faculty is new blood. Says Munroe-Blum: "It's a sea change—an explosion in our academic senior ranks."

One star recruit is Wendy Thomson, the new director of the school of social work. Former chief adviser to British Prime Minister Tony Blair on public service reform, Thomson chose McGill as much for its current leadership as for its reputation. "I've been involved with modernizing traditional public institutions," says Thomson. "That's the project the principal is engaged in: preserving the best of McGill but also making it fit for the 21st century."

But there's more to Munroe-Blum's vision than world-class academia. "We have a deep interest in being not only Canada's No. 1 research university, but in being student-

Naylor's mission includes a $30-million plan to foster interdisciplinary centres of study

centred as well," she says. "Like many research-intensive universities, we're coming from behind in that regard." In 2003, McGill bought a nearby upscale hotel, transforming it into a residence and ensuring a room for every first-year student from outside Montreal. More recently, Munroe-Blum created a task force on student life, which she chairs. The goal? "The hallmark of an undergraduate education at McGill is that our students are going to benefit from the richness of the research environment. That will make them better innovators and give them a network they will use when they graduate."

A case in point is the new Arts Legacy program, an interdisciplinary offering on the origins of social and political ideas, designed for first year students. Providing a link between research and undergrad teaching, it offers small tutorial groups to develop analytical skills and larger lectures from profs who are leaders in their fields. "It combines everything all in one," says student Joan Christiansen, a freshman from Vancouver. "It's perfect for me," she says, adding that arriving at McGill felt like coming home. "To be cheesy about it," she says, "this felt like family." A big family, perhaps, and one that delivers a world-class education.

UNIVERSITY OF TORONTO

When Alireza Rabi of the University of Toronto was expected in Philadelphia last May to present a paper he had co-authored at the university's Artificial Perception Laboratory, only one thing kept him from attending: he had to write a final exam the same time as the conference. That's because Rabi was still only in the third year of his undergraduate engineering science degree. Now 21 and in his final year, Rabi is co-

PHOTOGRAPH BY PETER BREGG/MACLEAN'S



publishing a book with Prof Parham Aarabi on their research into the effects of background noise on cellphones and hearing aids. "People think they'll get lost at a university as big as this," says Rabi. "But there's so much going on that it's almost impossible not to find people whose interests are what interest you. And with so much research unfolding on campus, you're always close to where real learning is going on."

One of the world's top research institutions--only Harvard publishes more research in North America annually--the University of Toronto can be a great place to be an undergrad. The figures alone tell much of the story: 3,000 faculty, more than 300 bachelor's programs, 32 libraries, three campuses, seven colleges--each with its own distinctive programs, clubs and residences--plus an endowment of $1.5 billion, allowing the school to award $54 million in student aid last year, three-quarters of it based on need. And over the next few years, says new president David Naylor, U of T will redouble its efforts to connect the dots between research and teaching. "More than ever, we want our brilliant scholars bringing their world-building insights into the classrooms."

Central to that mission is a new academic plan, dubbed Stepping Up, unveiled in January, it will devote $30 million through 2010 to foster interdisciplinary centres of study that expose more students to the research experience. Among the first centres announced: diaspora and transnational studies, and global-change science. As well, Naylor wants to start making up for a period in which "student growth sometimes moved ahead of our ability to deal with it in the best ways." This year, U of T hired 81 tenure-stream professors to work beside such names as cancer researcher Tak W. Mak, filmmaker Kay Armatage and artificial perception guru Aarabi, recently named one of the world's top 35 innovators under the age of 35 by the Massachusetts Institute of Technology's prestigious *Technology Review* magazine.



Engineering students on the UBC campus; a class in Western's Conron Hall (opposite)

Also new is the Terrence Donnelly Centre for Cellular and Biomolecular Research, whose 10 open-concept floors are designed to enhance the collaborative work of 40 teams of students and professors from the faculties of medicine, pharmacy, applied science and engineering. And in a bid to make life smoother outside the classroom, the university has opened a wireless study and lounge space at the faculty of arts and science's Sidney Smith Hall, and cut the ribbon on Morrison Hall residence, now home to 270 students at University College.

Equally ambitious are developments at the two suburban campuses. With Mississauga growing to 11,500 students by 2006-2007--a 40-per-cent increase since last year--a new academic learning centre will house the campus library as well as a skills centre and student café. At Scarborough, a new home base for management students features three storeys of case rooms, interview rooms and co-op resources, while the new Arts and Administration Building is equipped with studios for painting, sculpture and dance.

Of course, for students like Scarborough's Stephen Tracy, in his third year of a double major in new media and international studies, U of T is ultimately about learning opportunities. This month, the 21-year old heads to Tunisia for the World Summit on Information Society, to shoot a documentary, with Prof Leslie Chan, on efforts to bring the Internet to isolated areas worldwide. Says Tracy, who has also pitched in at community soup kitchens through a campus outreach group and plays lead guitar with psychology prof Steve Jordan in their band Delusions of Grandeur: "There may be a lot of students at U of T, but there's no need to be just a number. This is a place where you don't just learn, but learn to grow." M

MEDICAL DOCTORAL REPUTATIONAL WINNERS

Maclean's surveyed high-school principals and guidance counsellors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

HIGHEST QUALITY	LEADERS OF TOMORROW
1. McGill	1. Toronto
2. Queen's	2. UBC
3. Toronto	3. Alberta
4. UBC	4. McGill
5. Alberta	5. McMaster
MOST INNOVATIVE	**BEST OVERALL**
1. McMaster	1. Toronto
2. Alberta	2. McGill
3. McGill	3. UBC
4. UBC	4. Alberta
5. Toronto	5. McMaster

MEDICAL DOCTORAL RANKING

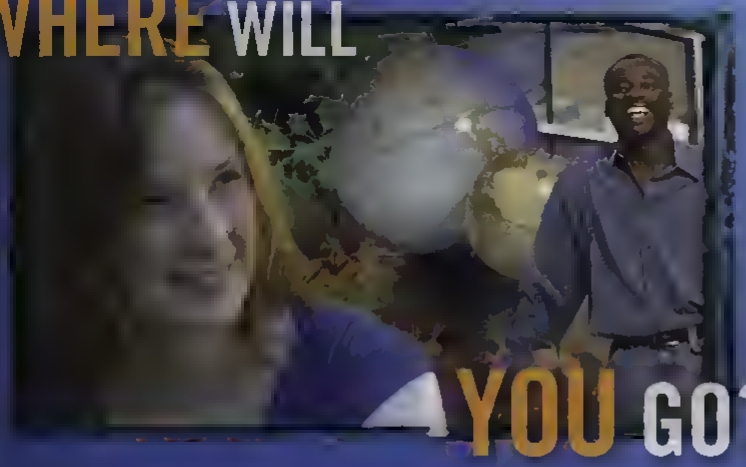
The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Medical Doctoral category have a broad range of Ph.D. programs and research, as well as medical schools.

		OVERALL RANKING	STUDENT BODY								CLASSES		FACULTY					FINANCES			LIBRARY				REPUTATION	
		LAST YEAR	AVERAGE ENTERING GRADE	PROPORTION WITH 75% OR HIGHER	STUDENT RETENTION	PROPORTION WHO GRADUATE	OUT OF PROVINCE (1ST YEAR)	INTERNATIONAL (1ST YEAR)	INTERNATIONAL (GRADUATE)	STUDENT AWARDS	CLASS SIZES 1ST AND 2ND YEAR LEVEL	CLASS SIZES, 3RD AND 4TH YEAR LEVEL	CLASSES TAUGHT BY TENURED/TENURE-STREAM FACULTY	PH.D.s	AWARDS PER FULL-TIME FACULTY	SOCIAL SCIENCES & HUMANITIES GRANTS	MEDICAL/ SCIENCE GRANTS	OPERATING BUDGET	SCHOLARSHIPS & BURSARIES (PERCENTAGE OF BUDGET)	STUDENT SERVICES (PERCENTAGE OF BUDGET)	TOTAL HOLDINGS	HOLDINGS PER STUDENT	ACQUISITIONS	EXPENSES	ALUMNI SUPPORT	REPUTATIONAL SURVEY
1	McGill	(2)	1	1	7	3	2	1	5	1	12	5*	13	11	4	1	2	9	8	6	8	9	9	8	3	2
*1	Toronto	(1)	10	11	3	6	10	4	14	4	14	13	4	5	2	2	1	1	5	2	1	5	2	1	1	1
3	Western	(3)	3	4	2	1	11	9	7	12*	5	2	1	4	14	10	6	7	1	7	4	4	1	2	2	7
4	UBC	(4)	2	5	10	12	5	5	4	3	9*	14	14	1*	3	4	4	15	2	1	3	6	12	5	13*	3
5	Queen's	(5)	4*	1*	1	4*	3	11	2	2	13	12	6	8	1	8	11	12	3	5	5	2*	7	7	5	6
6	Alberta	(6)	9	10	12	13	7	12	3	5	11	11	10	1*	5	5	3	4	4	10	2	1	8	3	8	4
7	Montréal	(7)	4*	6	9	2	12	3	11	8	2	8	7	10	6*	3	5	8	11	8	7	15	14	9	9	10
8	Laval	(11)	8	8	5	15	15	2	12	9	3	5*	2	6	10	11	7	10	13	9	9	8	3	11	15	13
9	Sherbrooke	(8*)	7	7	4	9	14	14	15	14	1	3	3	14	12	12	12	14	9	12	15	14	4	15	4	8
10	Saskatchewan	(10)	6	13	15	11	9	15	1	15	4	1	9	12	11	9	15	3	15	15	10	2*	6	6	10	9
11	McMaster	(8*)	13	3	6	10	13	8	6	7	15	15	8	9	8	7	10	11	10	4	13	12	5	13	13*	5
12	Ottawa	(12)	15	14	8	4*	4	6	8	12*	6	10	5	3	6*	6	8	5	7	3	11	10	10	12	11	14
13	Dalhousie	(13)	11	9	13	8	1	7	9*	6	7	7	12	15	13	14	14	2	12	11	14	11	13	14	7	11
14	Calgary	(14)	12	12	11	14	6	13	9*	10	9*	9	11	13	9	13	9	6	6	14	6	7	11	10	6	12
15	Manitoba	(15)	14	15	14	7	8	10	13	11	8	4	15	7	15	15	13	13	14	13	12	13	15	4	12	15

*Indicates a tie. Full description of the methodology page 32

PHOTOGRAPH BY PETER BREGG/MACLEAN'S (OPPOSITE); PHOTOGRAPH BY CHRISTOPHER J. MORRIS

WHERE WILL



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- 79 per cent of our students say their profs look out for students' best interests, that figure drops by 14.5 per cent at other similar-size universities;
- 87 per cent of our students are happy with class sizes; that number is just 81 per cent at other national schools;
- 80 per cent of our students really like their residences; only 73 per cent of students say that at comparable schools.

Oh, and Halifax?
They're pretty happy to be here, too.

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COMPREHENSIVE WINNER | UNIVERSITY OF WATERLOO

A world-renowned pioneer in co-op education, this Ontario university refuses to rest on its laurels. Strong in math, engineering and computer science, it's building bridges in more ways than one, reports DANYLO HAWALESHKA



When Bill Gates shops for talent, he heads straight to the unique campus run by Johnston

IT'S EARLY on a steel-grey, autumn after noon, and roughly 30 Waterloo students have turned out in their Sunday best, hungry for work. They've gathered in the lobby of the William M. Tatham Centre for Co-operative Education & Career Services, primed for the job interviews that are the cornerstone of the largest university co-op program in the world. The hopeful sit in neat rows of vinyl chairs. Some fidget, others study. All occasionally glance overhead at video monitors that signal who's next. The business attire, seating arrangement and electronic displays give the place the semblance of an airport lounge. It seems fitting. The lives of these students are, after all, about to take flight.

Ahinsa Mansukhani arrives at the centre big-eyed and bubbling with the nervous energy that comes with knowing she has a shot at a job she'd love to do. She's here to meet with the interviewers from Microsoft Canada who need help organizing the company's I CAN community program, aimed at helping children "realize their potential." Mansukhani, a second-year math and business student, had planned on becoming a chartered accountant. But on a whim, for her previous co-op posting, she applied for and was hired to organize this year's Canada Day celebrations at the university, which typically attract more than 50,000 people. In the blink of an eye, an event planner was born. Mansukhani, 20, says she'll complete her degree, but her revised goals are to organize high-powered functions for the likes of the Toronto International Film Festival, Special Olympics or Canadian Cancer Society. Her co-op experience, she says, was transformational. "It took me from my strict, narrow and practical plan," says Mansukhani, "to where I'm now pursuing my dream."

The day after Mansukhani's interview, Microsoft offered her the job. Stories like hers epitomize why the University of Waterloo is once again Canada's top academic institution in the Comprehensive category of the *Maclean's* ranking—its third win in five years. What's more, in 15 years of rankings, Waterloo has placed first in the

COMPREHENSIVE UNIVERSITIES

The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Comprehensive category have a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels, including professional degrees.

PHOTOGRAPH BY TOBIN GRIMSHAW



magazine's national reputational survey in every year but two. But rest on its laurels? Not a chance, says president David Johnston. "For us to be the outstanding university in the country is a wonderful honour," says Johnston. "But it is a great responsibility for those of us here to ensure we're doing everything to establish a reality that will produce a reputation of great quality in five years' time."

Waterloo is internationally recognized for the unparalleled success of its more than 100 undergraduate and graduate co-op programs, which place more than 11,000 students in paying jobs with roughly 3,500 employers annually. About 60 per cent of Waterloo's undergraduate student body takes part, alternating between work placements and four-month stints in class.

The success and recognition is a remarkable achievement for an institution only now approaching its golden anniversary. Established in 1957 by a handful of professors and some 75 engineering students in southwestern Ontario farm country, Waterloo had to battle for the approval of its peers. "It was seen as quite bizarre that a university would dirty its hands working on real problems, and that undergraduate students could actually be useful for solving problems," says computer science professor Frank Tompa. "But right from the beginning, Waterloo said, 'If there's a real problem, we're interested in all of the warts and dirt.'"

Waterloo's enlightened approach toward intellectual property has seen its professors retain rights to their entrepreneurial genius. That generosity has paid off. Johnston notes that Waterloo accounts for 22 per cent of all the technology-transfer companies spawned by research at Canadian universities, and in its brief history has created more than 250 companies. One of the most dramatic success stories belongs to Mike Lazaridis, the university's chancellor who once studied engineering at Waterloo, and, most notably, invented the BlackBerry and founded Research in Motion Ltd. Waterloo was good to Lazaridis, and he's shown his gratitude, donating $50 million to his alma mater's Institute for Quantum Computing.

This year, to remain at the forefront of innovation, Waterloo created new undergraduate programs in nanotechnology—engineering on an exceptionally small scale. Waterloo established 21 nano-tech teaching positions to handle its first class of 110 students. With grade averages generally in the low 90s, they all received scholarships. "Waterloo's the place to do this," says Tom Lever, one of the new undergraduates. "There's just nowhere else." Dressed in a T-shirt, an unbuttoned flannel shirt and lugging a huge backpack, Lever, 19, came to Waterloo from Gatineau, Que., because he wanted to be on the cutting edge. "Even if a tenth of the predictions for nanotechnology come true," says Lever, "it's going to improve the performance of just about everything."

Waterloo's award-winning faculty of mathematics is the largest in the world. With some 4,300 undergrads, 400 graduate students and 220 faculty members, it includes a computer science program that is the envy of many. But while Waterloo may well be "a place where Bill Gates finds the best talent in the world," says Johnston, "it would be a mistake to think of Waterloo as only a science school." The faculty of arts is in fact the university's largest. "Not everything is about building bridges," says James Skidmore, associate professor of Germanic and Slavic studies. "The world is about so much more." The integration of seemingly disparate disciplines—coupled with the chance to test career aspirations in work co-ops when it's most opportune—make Waterloo what it is: a place where students learn to soar.





Rowing for the University of Victoria (opposite), Simon Fraser University, Lauren Ostic, a high-school student and aspiring vet, tends to Scottie at the Ontario Veterinary College at the University of Guelph

COMPREHENSIVE REPUTATIONAL WINNERS

Maclean's surveyed high-school principals and guidance counsellors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

HIGHEST QUALITY	LEADERS OF TOMORROW
1. Waterloo	1. Waterloo
2. Guelph	2. Guelph
3. Victoria	3. Simon Fraser
4. Simon Fraser	4. Victoria
5. Memorial	5. York

MOST INNOVATIVE	BEST OVERALL
1. Waterloo	1. Waterloo
2. Guelph	2. Guelph
3. Simon Fraser	3. Simon Fraser
4. Victoria	4. Victoria
5. Memorial	5. Memorial

COMPREHENSIVE RANKING

The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Comprehensive category have a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels, including professional degrees.

OVERALL RANKING		STUDENT BODY								CLASSES		FACULTY				FINANCES			LIBRARY			REPUTATION		
	LAST YEAR	AVERAGE ENTERING GRADE	PROPORTION WITH 75% OR HIGHER	STUDENT RETENTION	PROPORTION WHO GRADUATE	OUT OF PROVINCE (1ST YEAR)	INTERNATIONAL (1ST YEAR)	INTERNATIONAL (GRADUATE)	STUDENT AWARDS	CLASS SIZES, 1ST AND 2ND YEAR LEVEL	CLASS SIZES, 3RD AND 4TH YEAR LEVEL	CLASSES TAUGHT BY TENURED FACULTY	FACULTY WITH PH.Ds	AWARDS PER FULL-TIME FACULTY	SOCIAL SCIENCES & HUMANITIES GRANTS	MEDICAL/ SCIENCE GRANTS	OPERATING BUDGET	SCHOLARSHIPS & BURSARIES (PERCENTAGE OF BUDGET)	STUDENT SERVICES (PERCENTAGE OF BUDGET)	HOLDINGS PER STUDENT	ACQUISITIONS	EXPENSES	ALUMNI SUPPORT	REPUTATIONAL SURVEY
1 Waterloo	(1)	3	4	1	2	6	6	3	1	5	10	1	2	1	3	4	5	2	7	8	3	11	1	1
2 Victoria	(3)	1	2	7	6	4	4	5	5	7	4	4	4	3*	6	1	2	5	8	3	4	5	9	4
*3 Guelph	(2)	5	1	3	1	8	11	7	4	6	7	2	1	6	4	3	6	7	1	5	6	7	2	2
*3 Simon Fraser	(4)	2	3	10	3	7	3	10	2	10	9	9	6	2	2	2	1	6	3	10	2	2	4	3
5 Memorial	(5)	10	10	8	10	3	7	8	9	1	2	8	8	8	11	11	4	9	5*	1	7	1	6	5
6 Regina	(6)	4	7	11	8	9	10	2	10	2	1	10	11	10	8	10	3	4	9	4	1	8	11	9
7 New Brunswick	(7)	8	9	5*	5	2	8*	4	5*	3	3	6	9	5	9	9	7	10	10	2	10	3	8	8
8 Carleton	(9)	7	6	5*	9	5	5	9	3	8	10*	11	5	7	5	5	8	1	5*	7	9	4	7	10
8 Concordia	(9)	6	5	9	11	1	2	6	8	4	5	7	10	11	1	6	10	11	11	11	11	10	5	7
10 York	(8)	9	8	4	4	10	8*	11	7	11	8	5	7	3*	7	7	11	3	4	9	8	9	10	6
11 Windsor	(11)	11	11	2	7	11	1	1	11	9	6	3	3	9	10	8	9	8	2	6	5	6	3	11

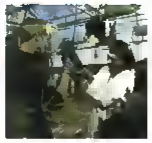
*Indicates a tie. Full description of the methodology page 32.

PHOTOGRAPH BY DEDEEDA STEMLER/TIMES COLONIST (OPPOSITE); CHRISTOPHER J. MORRIS (TOP); TORIN GRIMSHAW (BOTTOM)

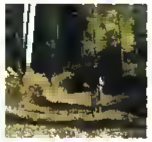
UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

BC's Natural Beauty

surrounds the **University of Northern British Columbia**, an acclaimed research-intensive university with a uniquely personal environment.



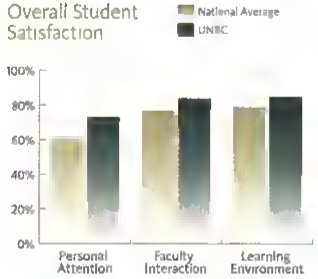
Individuality Counts
Small classes are a big part of UNBC. Students can work one-on-one with their professors and get involved in interesting and unique research projects



Quality of Life
With four distinct seasons, northern BC is an incredible outdoor playground – ideal for those who prefer a trail in the forest to a concrete jungle



Northern Vitality
With a range of unique programs and a strong connection to northern communities, UNBC is ranked as one of the best small universities in Canada





Above: Sparkling snow blankets UNBC's Prince George campus

www.unbc.ca



PHOTOGRAPH BY IAN CALLIS

PRIMARILY UNDERGRADUATE WINNER | ST. FRANCIS XAVIER

Steeped in a tradition of community building, this Nova Scotia campus offers an environment where students can flourish and find their place in the world, writes KATHERINE MACKLEM

WHEN ZAC MILLS entered St. Francis Xavier University three years ago, he had no clue what he wanted to do with his life. While in his second year, the native of St. FX's picturesque hometown of Antigonish, N.S., joined what he calls a "life-changing" field trip to Cuba, volunteering with local community groups as part of an immersion service-learning program on his spring break. "I had no idea what life was like outside of privileged Canada," says the 21-year-old economics student. On an international development internship this past summer, Mills travelled further afield, first to Bangladesh for four weeks, and then to Lebanon for another four weeks. In both countries, he worked with micro-credit institutions, which give small-business loans to people who are too poor to qualify at traditional banks. By day he met with loan recipients, and spent his evenings writing up weekly reports that he emailed to his prof.

At St. FX, Riley stresses that 'we live or die based on the experience of the undergrad'

"I was able to see the benefits that accrued to their lives," Mills says. For himself, the benefits were equally exceptional: he now has a clearly defined direction—international economic development. It's a goal that has emerged through opportunities made available at St. FX, winner of the *Maclean's* Primarily Undergraduate ranking for the fourth year running. "St. FX allows you to do things you wouldn't otherwise do," says Mills. "Everyone wants you to succeed."

PRIMARILY UNDERGRADUATE UNIVERSITIES

The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Primarily Undergraduate category are largely focused on undergraduate education, with relatively few graduate programs.

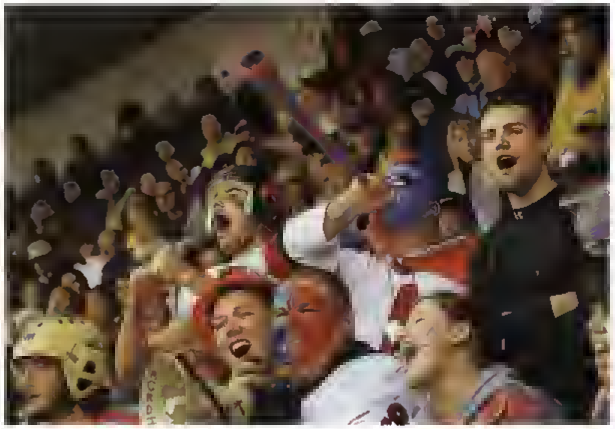
While St. FX is small—with a student population of only 5,000—it opens a wide window on the world. With its unique combination of a nurturing environment, a strong academic track record and roots steeped in social justice and community service, the university attracts some of Canada's smartest undergrads, with fully 35 per cent coming from outside the province. Generally, classes are small and most are taught by tenured or tenure-track professors. Meanwhile, students are actively encouraged to become engaged in a campus life teeming with activity. "That's a recipe for relationship building and for giving the students the sense of how fundamentally important they are as individuals," says president Sean Riley, himself a St. FX alumnus. "It's really the antidote to the experience that many students have in very large universities, with a lot of teaching by grad students. Here, we live or die based on the



experience of the undergrad."

This university has a stellar reputation, and, significantly, it enjoys support from more of its alumni than any of its peers. In the past 18 months, St. FX's endowment has grown from $52 million to more than $70 million, a result of ongoing contributions and prudent management. In recognition of the university's emphasis on service learning and its outreach programs, which connect students with social justice groups both locally and in the developing world, the philanthropic, Montreal-based J. W. McConnell Family Foundation donated $930,000 to St. FX in January—bolstering a $1-million gift from the foundation in 1999 that helped establish the initiative. Over the past decade, the university has invested $100 million in an ambitious campus renewal program that includes a top-notch sports complex and a spanking new Physical Sciences Centre, which houses state-of-the-art equipment—necessary, says Riley, to attract the best academics—in a building designed to resemble the campus's original 150-year-old structures.

But the success of St. FX is due not only to its deep pockets. Another, not-so-secret element of the university's success is its abundant rah-rah community spirit, which doesn't stop at the campus border. Town residents turn out for football and hockey games, and use the university's rinks for peewee games. Signs are posted in windows up and down Antigonish streets cheering for St. FX teams. But nothing captures the sense of allegiance better than the X-Ring. Alumni identify each other in distant locales just by spotting the ring; on campus, banners count down the days until the X-Ring ceremony, on the Feast Day of St. Francis Xavier, when the school ring is given to graduating students. "There are 401 days until my ceremony," announces third-year history student Megan McIntosh, who doesn't graduate until next year.



Acadia school spirit on display; Zach Gough in a Mount Allison painting class (opposite)

Theresa Turay, who emigrated to Canada from Sierra Leone with her family when she was 16, is a science student in her second year. Her father teaches at the world-renowned Coady International Institute, a centre established by St. FX in 1959 that specializes in community-based development. Coady students come from around the world, and typically work for non-profit organizations in developing nations. Turay, 22, whose family lives in Antigonish, says that as a high-school student her aspirations were to leave town. "My first choice was anywhere, away," she says. Accepted at other universities, including the U of T, Turay says she was drawn to St. FX by the opportunity to become involved in outreach programs and by the university's sense of community. She currently volunteers at the Antigonish Women's Resource Centre. Her decision to attend St. FX, for which she has no regrets, was finally based on gut feelings, she says, speaking on behalf of many students and alumni. "St. FX just captured my heart."

PRIMARILY UNDERGRADUATE REPUTATIONAL WINNERS

Maclean's surveyed high-school principals and guidance counsellors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

HIGHEST QUALITY
1. St. Francis Xavier
2. Mount Allison
3. Acadia
4. Wilfrid Laurier
5. Ryerson

LEADERS OF TOMORROW
1. Ryerson
2. Acadia
3. St. Francis Xavier
4. Wilfrid Laurier
5. Brock

MOST INNOVATIVE
1. Acadia
2. St. Francis Xavier
3. Ryerson
4. Wilfrid Laurier
5. Mount Allison

BEST OVERALL
1. St. Francis Xavier
2. Acadia
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5. Mount Allison

PRIMARILY UNDERGRADUATE RANKING

The *Maclean's* ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Primarily Undergraduate category are largely focused on undergraduate education, with relatively few graduate programs.

		OVERALL RANKING	STUDENT BODY							CLASSES		FACULTY				FINANCES			LIBRARY			REPUTATION		
		LAST YEAR	AVERAGE ENTERING GRADE	PROPORTION WITH 75% OR HIGHER	STUDENT RETENTION	PROPORTION WHO GRADUATE	OUT OF PROVINCE (1ST YEAR)	INTERNATIONAL (1ST YEAR)	STUDENT AWARDS	CLASS SIZES 1ST AND 2ND YEAR LEVEL	CLASS SIZES 3RD AND 4TH YEAR LEVEL	CLASSES TAUGHT BY TENURED FACULTY	FACULTY WITH PH.D.S	AWARDS PER FULL-TIME FACULTY	SOCIAL SCIENCES & HUMANITIES GRANTS	MEDICAL/ SCIENCE GRANTS	OPERATING BUDGET	SCHOLARSHIPS & BURSARIES (PERCENTAGE OF BUDGET)	STUDENT SERVICES (PERCENTAGE OF BUDGET)	HOLDINGS PER STUDENT	ACQUISITIONS	EXPENSES	ALUMNI SUPPORT	REPUTATIONAL SURVEY
1	St. Francis Xavier	(1)	1	1	8*	1	5	15	4*	10	8	6	8	17*	7	4*	6	12	6	9	3	9	1	1
2	Mount Allison	(2)	2	4	12	16	2	6	1	15	5	5	6	2	15	6	1	10*	13	1	16	1	3	5
3	Acadia	(3)	7	12	8*	3	3	2	3	9	9*	16	7	11	8	8	4	17	14	3	15	11	12	2
4	UNBC	(7)	6	7	17	12	13	19*	4*	8	11	17	3	14*	1	13*	2	18	7	10	1	3	15	11
5	Bishop's	(4)	5	2	10	13*	1	4	11*	3	3	19	18	20*	19	16	7	7	1	8	11	2	6	16
6	St. Thomas	(10)	3	3	20	15	6	11	21	7	17	11	1	7*	14	N/A	13	6	4	5	17	13	5	13
7	Saint Mary's	(9)	10	11	3	2	4	1	10	14	13*	2	2	12	3	7	12	13	15	16	18	12	2	9
8	UPEI	(6)	11	14	14	13*	7	12	4*	12	6*	4	11	1	4	11	3	15	20	7	8	19	10	12
8	Trent	(6)	20	20	2	11	14	9	7	5*	12	3	9	4	11	2	11	1	16	15	19	15	9	8
10	Wilfrid Laurier	(5)	9	10	1	5	19	21	15*	20	18	21	4	9*	6	10	20	4	11	17	5	14	8	4
11	Winnipeg	(11)	4	5	13	21	17	13*	2	11	15	18	15	13	5	13*	18	19	3	20	13	4	4	10
12	Mount Saint Vincent	(15)	8	6	18	10	10	9*	17	2	2	14	13	5	2	20	16	16	21	4	6	21	7	14
13	Lethbridge	(12)	15	15	19	8	8	5	11*	16*	16	9	14	14*	16	1	9	9	2	11	20	7	20	6
14	Brock	(13)	13	9	7	9	20	17	15*	21	19	13	10	3	12	3	21	5	5	19	9	10	16	7
15	Moncton	(17*)	18	18	14*	18	12	13*	11*	4	6*	15	19	17*	9	15	8	14	10	6	12	5	13	15
16	Brandon	(14)	19	19	21	20	9	16	11	5*	1	8	17	6	13	18	10	21	17	2	10	6	19	20
16	Lakehead	(17)	21	21	5	4	15*	18	8*	16*	20	7	5	19	10	4*	15	2	19	13	2	8	11	17
18	Ryerson	(16)	14	8	4	6	15*	8	20	19	21	12	20	16	20	9	19	10*	9	21	14	18	18	3
19	Laurentian	(19)	17	17	6	17	18	7	8*	13	13*	10	12	7*	21	12	5	3	18	12	4	16	21	18
20	Cape Breton	(21)	12	16	16	19	11	3	18	1	4	1	21	20*	17	17	17	20	8	14	21	17	14	19
21	Nipissing	(20)	16	13	11	7	21	19*	19	18	9*	20	16	9*	18	19	14	8	12	18	7	20	17	21

*Indicates a tie. Full description of the methodology, page 32

PHOTOGRAPH BY DAN CALLIS (LEFT); COURTESY OF ACADIA UNIVERSITY



First-year architecture student Grace Lin working on drawings for a design project at McGill University

STUDENT BODY

The quality and dedication of students have an enormous impact on the learning environment. *Maclean's* takes two measures of entering grades, and calculates the proportion of first-year students who return for a second year—full- or part-time. Other measures include the proportion of students graduating within a reasonable time, the success of the student body at winning national awards, and the university's national and international drawing power.

AVERAGE ENTERING GRADE

Students are enriched by the calibre of their peers. Here are the average final-year grades of first-year students entering from high school or Quebec's CÉGEP system.

		GRADE
1	McGill	88.9%
2	UBC	88.3%
3	Western	87.9%
*4	Montréal	87.6%
*4	Queen's	87.6%
6	Saskatchewan	86.7%
7	Sherbrooke	86.5%
8	Laval	86.3%
9	Alberta	86.2%
10	St. Francis Xavier	86.1%
11	Victoria	85.8%
12	Simon Fraser	85.5%
13	Mount Allison	85.3%
14	Toronto	85.1%
15	Waterloo	84.7%
16	Dalhousie	84.6%
17	Calgary	84%
*18	McMaster	83.7%
*18	St. Thomas	83.7%
20	Regina	83.6%
21	Manitoba	83.1%
*22	Guelph	83%
*22	Ottawa	83%
24	Winnipeg	82.9%
*25	Bishop's	82.4%
*25	Concordia	82.4%
27	UNBC	82%
28	Carleton	81.9%
*29	Acadia	81.8%
*29	New Brunswick	81.8%
31	Mount Saint Vincent	81.4%
32	Wilfrid Laurier	81.2%
33	York	81%
34	Memorial	80.7%
35	Saint Mary's	80.6%
36	UPEI	80.5%
37	Cape Breton	80.4%
38	Brock	80%
39	Ryerson	79.9%
40	Lethbridge	79.7%
41	Nipissing	79.4%
42	Laurentian	79%
*43	Moncton	78.5%
*43	Windsor	78.5%
45	Brandon	78.3%
46	Trent	77.8%
47	Lakehead	77.1%

*Indicates a tie.
Full description of the methodology page 32.

PROPORTION WITH 75% OR HIGHER

Maclean's calculates the percentage of first-year students arriving from high school or CÉGEP with averages of 75 per cent or higher.

		PER CENT
*1	McGill	100
*1	Queen's	100
3	McMaster	99.97
4	Western	99.96
5	UBC	99.6
6	Guelph	99.25
7	Montréal	99.2
8	Victoria	99.15
9	Sherbrooke	98.92
10	Laval	98.11
11	Dalhousie	97.26
12	Alberta	97.18
13	St. Francis Xavier	96.35
14	Toronto	96.34
15	Simon Fraser	96.13
16	Waterloo	95.78
17	Calgary	95.53
18	Saskatchewan	94.56
19	Bishop's	91.81
20	Concordia	89.19
21	St. Thomas	88.45
22	Mount Allison	88.31
23	Ottawa	88.3
24	Winnipeg	86.38
25	Carleton	86.03
26	Manitoba	83.48
27	Mount Saint Vincent	83.38
28	Regina	83.03
29	UNBC	82.4
30	Ryerson	81.57
31	York	81.45
32	New Brunswick	80.57
33	Brock	79.33
34	Wilfrid Laurier	79.26
35	Saint Mary's	78.72
36	Acadia	78.7
37	Memorial	77.42
38	Nipissing	77.09
39	UPEI	74.43
40	Lethbridge	73.43
41	Cape Breton	72.27
42	Laurentian	68.72
43	Moncton	66.04
44	Brandon	65.04
45	Windsor	64.91
46	Trent	61.2
47	Lakehead	59.43

GRADE DISTRIBUTION

While the *Maclean's* ranking takes account of the average entering grade of first-year students arriving from high school or CÉGEP, the average tells only part of the story. What percentage of those students entered with grades within each of the following ranges?

	LESS THAN 65%	65-69.9%	70-74.9%	75-79.9%	80-84.9%	85-89.9%	90-94.9%	95% OR HIGHER
Acadia	0.3	3.9	17.1	20.7	21.8	23.5	11.1	1.7
Alberta	0	0.2	2.6	12.6	27.7	30.2	20.9	5.8
Bishop's	0.4	0.7	7.1	27	30.5	23	10.8	0.7
Brandon	10.3	11.5	13.2	14.4	24	13.7	10.3	2.7
UBC	0	0.1	0.3	3.6	22.1	34.6	28.8	10.6
Brock	0.1	2	18.8	31.4	29.8	13.5	4	0.6
Calgary	0	0.3	4.2	19.3	32.8	28.2	13.1	2.1
Cape Breton	5.7	8.1	13.9	17	18.7	17.2	14.2	5.2
Carleton	0	0.2	13.8	23.4	27.2	22.2	10.9	2.2
Concordia	0	3.8	7	20.8	26.4	27.8	13.2	1
Dalhousie	0	0	2.7	19.7	30.1	23	17.5	6.9
Guelph	0	0	0.7	33.5	32.4	23.1	9.2	1.1
Lakehead	0	19.7	20.8	24.6	18.7	9.5	6	0.6
Laurentian	0.3	6.9	24	22.3	23.9	12.9	8.1	1.5
Laval	0	0	1.9	10.6	23.4	32.3	28.1	3.8
Lethbridge	0	8.5	18.1	25.2	20.6	16.9	8.6	2.1
Manitoba	0.8	8	9.7	16.7	19.3	23.1	16.6	7.9
McGill	0	0	0	0.2	11.9	43.7	36.9	7.3
McMaster	0	0	0	23.1	38	23.8	12.8	2.3
Memorial	0.1	0.3	22.3	25.9	23.8	16.9	9.6	1.3
Moncton	2.6	9.3	22.1	21.4	22.9	11.9	8.8	1.1
Montréal	0	0.1	0.7	5.2	21.4	33.4	34.6	4.7
Mount Allison	0	1.3	10.4	14.3	20.8	20	25.5	7.8
Mount Saint Vincent	0	3.5	13.1	29.4	21.8	18.8	11.4	1.9
New Brunswick	0.4	5.3	13.8	22.7	20.6	21.3	12.9	3.1
Nipissing	0	1.9	21	32.4	28	12.6	3.9	0.2
UNBC	0	3.9	13.7	21.8	22.3	20.1	14.5	3.6
Ottawa	0	0	11.7	21.9	26.2	24.3	13.4	2.4
UPEI	0	10.7	14.9	18.5	21.8	20	10.5	3.8
Queen's	0	0	0	3.2	22.5	37.5	28	8.7
Regina	1.2	3.8	12	16.2	22.4	21	18.7	4.7
Ryerson	0	0.1	18.3	33.1	30.3	13.3	4.7	0.2
St. Francis Xavier	0	0.1	3.5	14.4	22.3	27.9	24.7	7
Saint Mary's	0	7.2	14	24.1	24.2	16.2	12.4	1.9
St. Thomas	0	0	11.6	18.4	22.2	25	16.9	5.9
Saskatchewan	0	1.3	4.2	11.1	21.3	26.7	24.3	11.2
Sherbrooke	0.1	0.1	0.9	8.5	25.7	34.1	24.9	5.7
Simon Fraser	0.1	0.2	3.7	12	26.1	30.7	22.9	4.5
Toronto	0	0	3.7	14.5	24.8	34.9	17.2	4.9
Trent	1	9.1	28.7	22	22.6	11.6	4.3	0.7
Victoria	0.1	0.1	0.7	12.8	31.4	31.3	18.9	4.7
Waterloo	0	0.2	4	16.9	28.5	28.1	20.7	3.6
Western	0	0	0	0.3	15.2	55.2	25.1	4.1
Wilfrid Laurier	0.4	4.6	15.8	23.1	29.4	19.8	6.3	0.6
Windsor	0	0	35.1	27.7	20.7	11.8	4.3	0.6
Winnipeg	1.1	3.7	8.8	18.9	24.9	25.9	12.9	3.8
York	0	8	18.5	28.4	26.2	16.2	9.5	1.2

Note: Due to rounding, the total in each row may not equal 100 per cent.

PHOTOGRAPH BY CHRISTINE MUSCHI

STUDENT RETENTION

Maclean's calculates the percentage of first year students who return in second year, either full-time or part-time

		PER CENT
1	Queen's	96.6
2	Western	96.5
3	Toronto	95.3
4	Sherbrooke	94.3
5	Laval	93.8
6	McMaster	93.7
*7	McGill	93.5
*7	Waterloo	93.5
*9	Ottawa	93.3
*9	Wilfrid Laurier	93.3
11	Trent	93.2
12	Saint Mary's	93.1
13	Windsor	93
14	Ryerson	90.9
15	Montréal	90.8
*16	Guelph	90.3
*16	Lakehead	90.3
18	UBC	90.2
19	York	89.7
20	Laurentian	89.4
21	Brock	89.3
*22	Acadia	88.4
*22	St. Francis Xavier	88.4
24	Bishop's	87.7
*25	Carleton	87.2
*25	New Brunswick	87.2
27	Victoria	86.4
28	Calgary	86.1
*29	Memorial	86
*29	Nipissing	86
31	Alberta	85.6
32	Dalhousie	85.4
33	Concordia	85.3
34	Simon Fraser	85.1
35	Manitoba	84.1
36	Saskatchewan	83.9
37	Mount Allison	83.5
38	Winnipeg	82.1
*39	Moncton	80.6
*39	UPEI	80.6
41	Regina	77.2
42	Cape Breton	74.8
43	UNBC	73.8
44	Mount Saint Vincent	73.6
45	Lethbridge	72.9
46	St. Thomas	72.4
47	Brandon	71.2

PROPORTION WHO GRADUATE

Maclean's measures the percentage of full-time undergraduates who completed their degree within one year of the expected graduation date.

		PER CENT
1	St. Francis Xavier	93.8
2	Western	92.8
3	Montréal	92
4	Saint Mary's	91.9
5	McGill	91.7
*6	Ottawa	91.4
*6	Queen's	91.4
8	Toronto	91.3
9	Acadia	91
10	Manitoba	90.5
11	Dalhousie	89.5
12	Guelph	89.3
13	Sherbrooke	89.2
14	McMaster	88.2
15	Lakehead	88
16	Waterloo	87.8
17	Simon Fraser	87.7
18	Saskatchewan	87.2
19	UBC	86.9
20	Wilfrid Laurier	86.8
21	York	85
22	Ryerson	84.6
23	New Brunswick	83.9
24	Alberta	83.7
25	Victoria	83.3
26	Nipissing	83.2
27	Lethbridge	82.4
28	Brock	81.4
29	Mount Saint Vincent	80.6
30	Calgary	80.5
31	Windsor	80.1
32	Trent	79.6
33	Laval	79.5
34	Regina	79.2
35	Carleton	79.1
36	UNBC	78.5
*37	Bishop's	78
*37	UPEI	78
39	Memorial	77.5
40	St. Thomas	77
41	Mount Allison	76.2
42	Laurentian	75.1
43	Concordia	74.6
44	Moncton	67.5
45	Cape Breton	64.4
46	Brandon	63.1
47	Winnipeg	60.5

OUT OF PROVINCE (FIRST YEAR)

Percentage of students from other provinces*

MEDICAL DOCTORAL

		PER CENT
1	Dalhousie	42.3
2	McGill	33.2
3	Queen's	18.4
4	Ottawa	17.6
5	UBC	14
6	Calgary	13.2
7	Alberta	12.3
8	Manitoba	8.5
9	Saskatchewan	7.7
10	Toronto	6.7
11	Western	5.4
12	Montréal	5.3
13	McMaster	3.5
14	Sherbrooke	3.3
15	Laval	2.6

COMPREHENSIVE

1	Concordia	21.3
2	New Brunswick	15.7
3	Memorial	14
4	Victoria	13.2
5	Carleton	10.1
6	Waterloo	9.2
7	Simon Fraser	5.1
8	Guelph	2.9
9	Regina	2.7
10	York	1.1
11	Windsor	0.9

PRIMARILY UNDERGRADUATE

		PER CENT
1	Bishop's	54.1
2	Mount Allison	52.9
3	Acadia	37.8
4	Saint Mary's	32.1
5	St. Francis Xavier	31.6
6	St. Thomas	26.7
7	UPEI	21.9
8	Lethbridge	15.4
9	Brandon	14.8
10	Mount Saint Vincent	12.8
11	Cape Breton	10.9
12	Moncton	10.3
13	UNBC	5.5
14	Trent	4.6
*15	Lakehead	3.7
*15	Ryerson	3.7
17	Winnipeg	2.6
18	Laurentian	2
19	Wilfrid Laurier	1.4
20	Brock	0.8
21	Nipissing	0.7



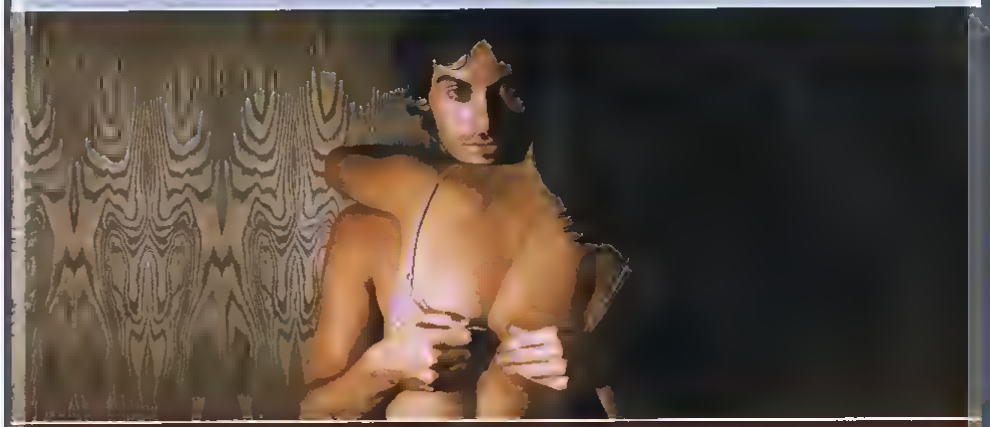
Comparing notes at Queen's University, which ranks first in terms of the percentage of students who return in their second year

*indicates a tie Full description of the methodology, page 32.

PHOTOGRAPH BY CHRISTINE MUSCHI

AXE U

NUMBER ONE
ACROSS THE BOARD



DEPARTMENT OF PHYSICS
INTRODUCTION TO QUANTUM PHYSICS

ARITHMETIC
There are lots of good places to take a date without emptying my savings account.

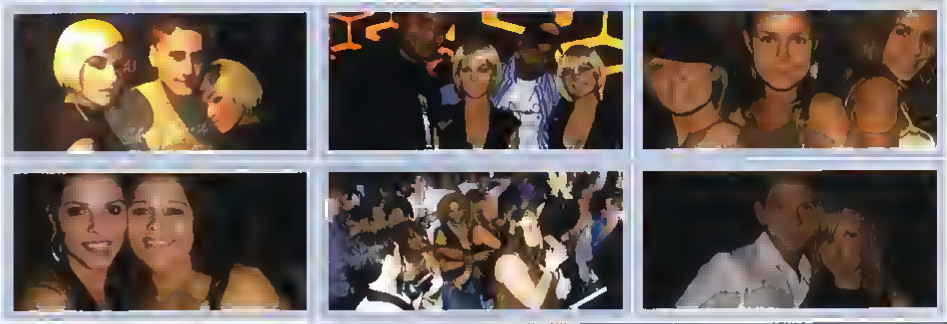
SCHOOL	%
ALBERTA	04.52
WESTERN	04.52
LAVAL	04.08
MONTREAL	03.75
TORONTO	03.57
YORK	03.44
CONCORDIA	03.06
CALGARY	02.59
SASKATCHEWAN	02.58

INTEGERS
After tuition, my social life is my next biggest expense.

SCHOOL	%
WESTERN	04.74
ALBERTA	04.67
LAVAL	04.01
TORONTO	03.80
MONTREAL	03.76
YORK	03.70
CONCORDIA	02.92
SASKATCHEWAN	02.73
CALGARY	02.68

AMALGAMATION
Foreign students add an interesting and exotic new twist to the student body.

SCHOOL	%
ALBERTA	04.45
MONTREAL	04.21
WESTERN	04.15
LAVAL	04.00
YORK	03.78
TORONTO	03.50
CONCORDIA	03.08
CALGARY	02.73
SASKATCHEWAN	02.63



EXPLORE OUR SCHOOL AND SEE THE COMPLETE RANKINGS AT AXE.CA

AXE U

NUMBER ONE
ACROSS THE BOARD



AXE U RANKED AS BEST OF TOP 10
FROM UNIVERSITIES IN CANADA

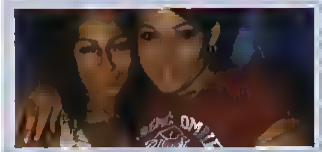
THE BEST IN ALL CATEGORIES, PERCENTAGES & POINTS

Whether you're looking to upgrade your skills in chemistry or anatomy, AXE U maintains a faculty capable of broadening your knowledge of the 'student body'...

SCHOOL	%	TOTAL POINTS
WESTERN	04.66	7855
ALBERTA	04.63	7804
LAVAL	03.83	6451
MONTREAL	03.76	6345
TORONTO	03.72	6268
YORK	03.71	6282
CONCOROIA	02.93	4935
CALGARY	02.69	4535
SASKATCHEWAN	02.63	4426
RYERSON	02.50	4217







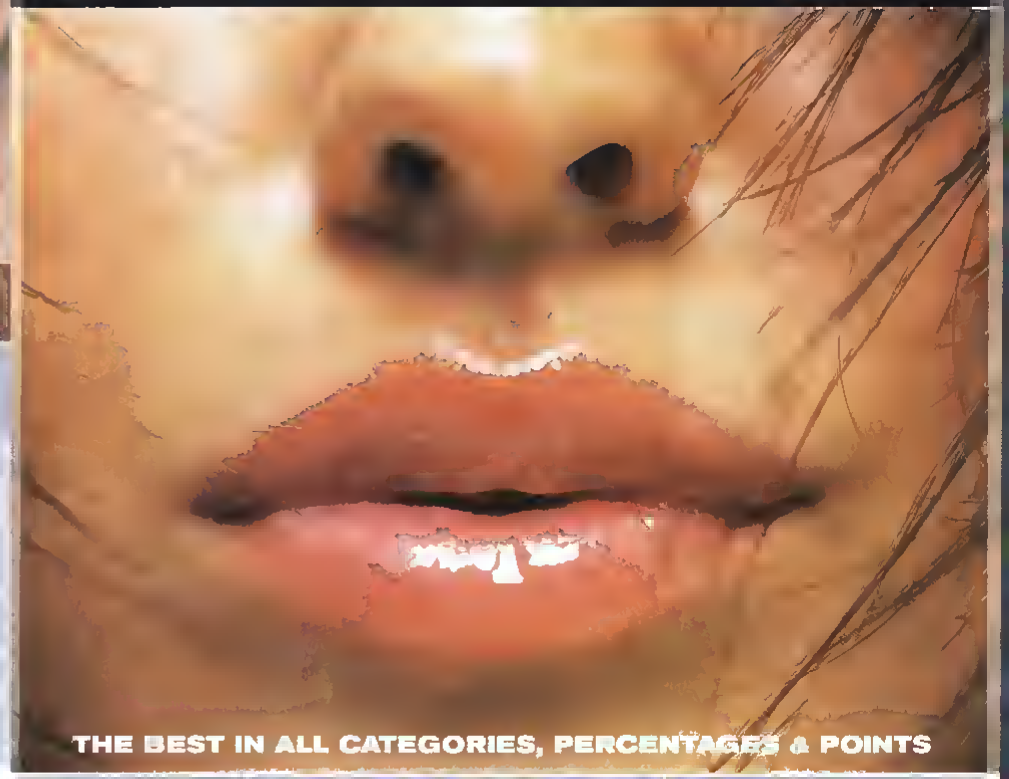


EXPLORE OUR SCHOOL AND SEE THE COMPLETE RANKINGS AT AXE.CA

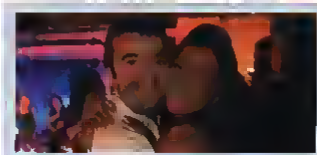
UNIVERSITY RANKED AS NUMBER ONE

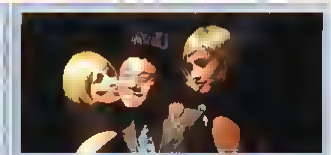
AXE U

RATED BEST IN PHYSICS, RATED BE
RATED BEST FOR SOCIAL LIFE, R
RATED BEST GUY TO GIRL RATI
RATED BEST ATHLETICS, RATED BE
RATED BEST LOOKING STUDENTS



THE BEST IN ALL CATEGORIES, PERCENTAGES & POINTS



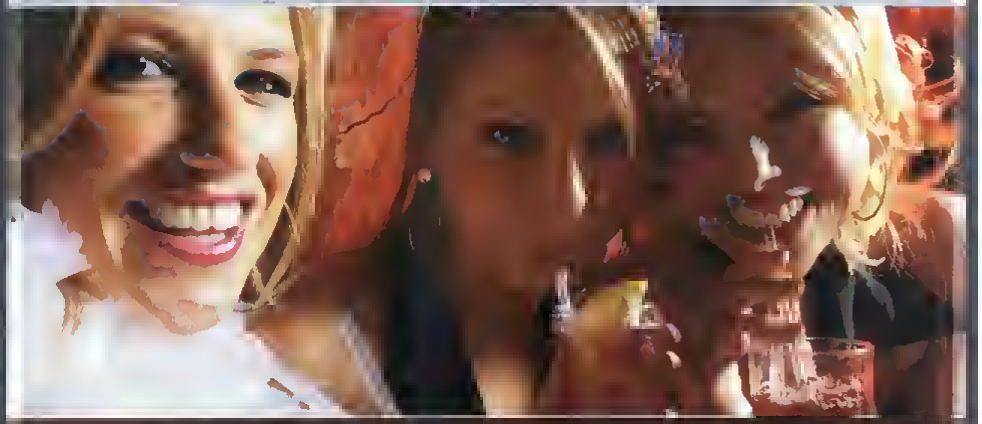





EXPLORE OUR SCHOOL AND SEE THE COMPLETE RANKINGS AT AXE.CA

AXE U

NUMBER ONE
ACROSS THE BOARD



DEPARTMENT OF ATHLETICS
SPORTS AND NUTRITION

OSMOSIS
Our professors will happily join students for a beer after class.

SCHOOL	%
WESTERN	04.73
ALBERTA	04.72
YORK	03.81
TORONTO	03.42
LAVAL	03.33
MONTREAL	03.18
CONCORDIA	02.98
CALGARY	02.56
SASKATCHEWAN	02.51

JET SET
My university is known for having the best looking students . Hands down!

SCHOOL	%
WESTERN	05.27
ALBERTA	04.54
LAVAL	04.18
YORK	04.07
MONTREAL	03.88
TORONTO	03.12
CONCORDIA	02.88
SASKATCHEWAN	02.77
CALGARY	02.59

HIBERNATION
Classes are well-timed to avoid interfering with happy hour or a healthy sleep-in.

SCHOOL	%
WESTERN	04.70
ALBERTA	04.28
LAVAL	04.06
MONTREAL	03.00
TORONTO	03.55
YORK	03.51
CONCORDIA	03.05
SASKATCHEWAN	02.64
MANITOBA	02.58



EXPLORE OUR SCHOOL AND SEE THE COMPLETE RANKINGS AT AXE.CA

INTERNATIONAL (FIRST YEAR)

Percentage of students from outside Canada

MEDICAL DOCTORAL		PER CENT
1	McGill	20.3
2	Laval	13.3
3	Montréal	12.7
4	Toronto	10.3
5	UBC	9.6
6	Ottawa	7.9
7	Dalhousie	7.5
8	McMaster	7
9	Western	6.5
10	Manitoba	5.2
11	Queen's	4.5
12	Alberta	4.1
13	Calgary	2
14	Sherbrooke	1.5
15	Saskatchewan	1.4

COMPREHENSIVE		
1	Windsor	15.1
2	Concordia	11.9
3	Simon Fraser	11
4	Victoria	10.1
5	Carleton	9.3
6	Waterloo	7.7
7	Memorial	6.1
*8	New Brunswick	4.4
*8	York	4.4
10	Regina	4.1
11	Guelph	1.9

PRIMARILY UNDERGRADUATE		
1	Saint Mary's	18
2	Acadia	17.6
3	Cape Breton	11.9
4	Bishop's	9.4
5	Lethbridge	8.3
6	Mount Allison	7.3
7	Laurentian	6.5
8	Ryerson	5.5
*9	Mount Saint Vincent	5.2
*9	Trent	5.2
11	St. Thomas	5
12	UPEI	4.7
*13	Moncton	4.5
*13	Winnipeg	4.5
15	St. Francis Xavier	3.6
16	Brandon	3
17	Brock	2.9
18	Lakehead	1.5
*19	Nipissing	1.4
*19	UNBC	1.4
21	Wilfrid Laurier	1.1

INTERNATIONAL (GRADUATE)

Percentage of graduate students from outside Canada

MEDICAL DOCTORAL		PER CENT
1	Saskatchewan	30.7
2	Queen's	24.7
3	Alberta	24.5
4	UBC	24.2
5	McGill	23.3
6	McMaster	22.5
7	Western	21.5
8	Ottawa	20.2
*9	Calgary	20.1
*9	Dalhousie	20.1
11	Montréal	20
12	Laval	18.5
13	Manitoba	18.2
14	Toronto	16.7
15	Sherbrooke	15.9

COMPREHENSIVE		
1	Windsor	43.8
2	Regina	39.1
3	Waterloo	28.1
4	New Brunswick	26.3
5	Victoria	24.1
6	Concordia	22.5
7	Guelph	21.1
8	Memorial	20.6
9	Carleton	19.3
10	Simon Fraser	18.7
11	York	12.5

STUDENT AWARDS

The five year tally (2000-2004) of the number of students, per 1,000, who have won national awards.

MEDICAL DOCTORAL		
1	McGill	9.9
2	Queen's	8.8
3	UBC	8.2
4	Toronto	7.6
5	Alberta	7.4
6	Dalhousie	7
7	McMaster	6.3
8	Montréal	6.1
9	Laval	5.7
10	Calgary	5.5
11	Manitoba	5.4
*12	Ottawa	4.9
*12	Western	4.9
14	Sherbrooke	4.3
15	Saskatchewan	3

COMPREHENSIVE		
1	Waterloo	7
2	Simon Fraser	6.2
3	Carleton	5.5
4	Guelph	5.2
*5	New Brunswick	4.6
*5	Victoria	4.6
7	York	3.2
8	Concordia	2.7
9	Memorial	2.6
10	Regina	2.4
11	Windsor	1.6

PRIMARILY UNDERGRADUATE		
1	Mount Allison	4.5
2	Winnipeg	3.8
3	Acadia	3.4
*4	UNBC	3
*4	UPEI	3
*4	St. Francis Xavier	3
7	Trent	2.4
*8	Lakehead	2.2
*8	Laurentian	2.2
10	Saint Mary's	2.1
*11	Bishop's	1.7
*11	Brandon	1.7
*11	Lethbridge	1.7
*11	Moncton	1.7
*15	Brock	1.1
*15	Wilfrid Laurier	1.1
17	Mount Saint Vincent	0.7
18	Cape Breton	0.6
19	Nipissing	0.5
20	Ryerson	0.4
21	St. Thomas	0.1



Mount Allison student Jessica Bowser has a private tuba lesson with Prof. James Code

*Indicates a tie. Full description of the methodology page 32.
PHOTOGRAPH BY DAN CALLIS

MACLEAN'S READERS' CHOICE

ACHIEVEMENT OF THE YEAR IN HEALTHCARE

Brought to you by

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life inspiring ideas

Who made the most significant contribution to healthcare in 2005?

- **Dr. Thomas J. Hudson**
 Director of McGill University and Genome Quebec Innovation Centre lead Canada's contribution to first Haplotype Map, a catalogue of genetic differences and similarities between ethnic groups.
- **Dr. André Veillette**
 Montreal researcher led a team that identified a new anti-cancer, anti-infection response control mechanism.
- **Dr. James Till and Dr. Ernest McCulloch**
 Cancer researchers won the Lasker Award, North America's most coveted medical research prize, for proving the existence of stem cells.
- **Dr. Heinz Feldmann and Dr. Steven Jones**
 Scientists from the Public Health Agency of Canada helped develop vaccines against the Ebola and Marburg viruses.

CAST YOUR VOTE AT MACLEANS.CA/CHOICE

Voting closes November 28

Find the results in *Maclean's* December 19 issue
On newsstands December 12

MACLEAN'S

ROGERS
Your World Right Now

Breakthrough



More than medicine, it's a way of thinking.

As Canadians, we're often defined by our approach to healthcare. And at AstraZeneca, we're proud to play a leading role in furthering a system which can guarantee all patients and doctors from coast to coast timely access to the most innovative and effective treatments available.

That's why, in addition to breakthroughs in treatments, we need breakthroughs in the way we as Canadians think about healthcare. Why limit the debate merely to the "sustainability" of our present system? How can we promote the achievement of excellence in every aspect of healthcare? By asking thought-provoking questions like these, we're not only encouraging a dialogue about the real, underlying issues. We're doing all we can to keep our healthcare system moving forward. At AstraZeneca, **that's our commitment to healthcare.**

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AstraZeneca
life inspiring ideas

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Anna Hansen and Leah Welter separate roots in a soil science lab at the University of Saskatchewan

CLASSES

For undergraduates, the classroom is the front line of learning. *Maclean's* takes account of the percentage of students in each of six distinct class-size ranges. And, since tenure is a significant measure of a faculty member's worth, *Maclean's* measures the commitment of universities to placing tenured and tenure-stream professors at the head of first-year classes.

CLASSES TAUGHT BY TENURED FACULTY

Maclean's measures the percentage of first-year classes taught by tenured or tenure-track professors.

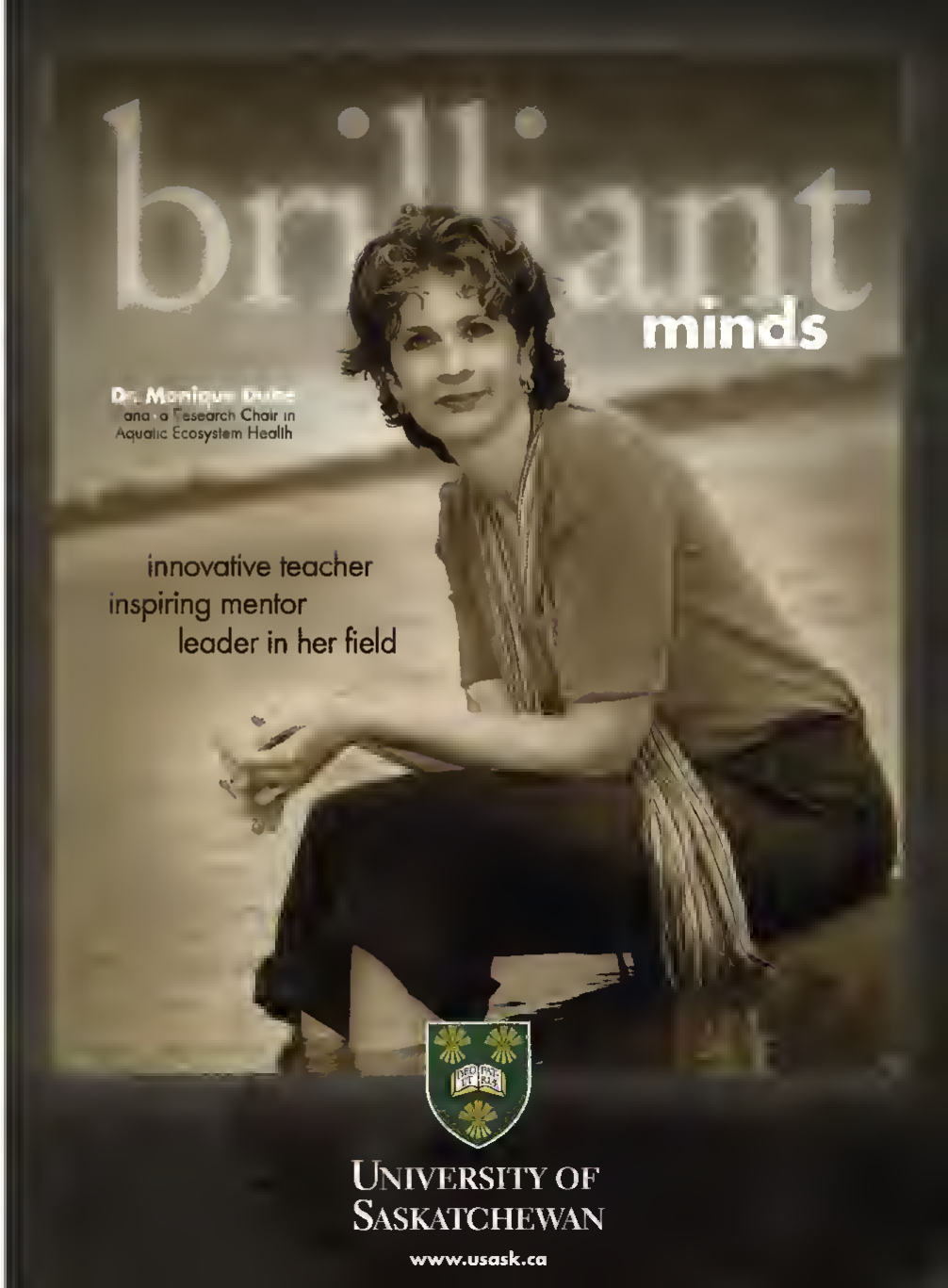
MEDICAL DOCTORAL		PER CENT
1	Western	74.1
2	Laval	71
3	Sherbrooke	68.4
4	Toronto	68.3
5	Ottawa	62.9
6	Queen's	62.7
7	Montréal	61.9
8	McMaster	58.5
9	Saskatchewan	57.4
10	Alberta	53.3
11	Calgary	50.7
12	Dalhousie	50.5
13	McGill	49.7
14	UBC	47.7
15	Manitoba	43.6

COMPREHENSIVE		
1	Waterloo	78.8
2	Guelph	75.2
3	Windsor	67.9
4	Victoria	60.7
5	York	57.9
6	New Brunswick	55.2
7	Concordia	53.2
8	Memorial	47
9	Simon Fraser	43.7
10	Regina	39.6
11	Carleton	33.8

PRIMARILY UNDERGRADUATE		
1	Cape Breton	82.3
2	Saint Mary's	82
3	Trent	80.5
4	UPEI	77
5	Mount Allison	73.9
6	St. Francis Xavier	72.6
7	Lakehead	72.3
8	Brandon	67.1
9	Lethbridge	62.3
10	Laurentian	60.9
11	St. Thomas	60.6
12	Ryerson	57.6
13	Brock	56.9
14	Mount Saint Vincent	55.6
15	Moncton	53.5
16	Acadia	50.5
17	UNBC	49.6
18	Winnipeg	48
19	Bishop's	42.4
20	Nipissing	41.2
21	Wilfrid Laurier	37

Full description of the methodology page 32.

PHOTOGRAPH BY TODD KOROL



PERCENTAGE OF STUDENTS IN EACH CLASS-SIZE RANGE

First- and second-year level

MEDICAL DOCTORAL

	1-25	26-50	51-100	101-250	251-500	500+
1 Sherbrooke	18.68	37.47	33.67	9.31	0.66	none
2 Montréal	14.72	24.21	40.22	18.76	2.09	none
3 Laval	21.76	18.19	31.03	26.51	2.52	none
4 Saskatchewan	12.82	23.13	25.47	30.26	6.31	none
5 Western	15.62	19.88	33.17	16.91	11.86	2.55
6 Ottawa	11.64	18.24	32.14	36.49	1.49	none
7 Dalhousie	6.68	22.05	28.5	33.36	7.82	1.59
8 Manitoba	7.4	16.79	26.18	42.62	7.01	none
*9 UBC	9.66	14.94	21.95	44.36	8.86	none
*9 Calgary	7.29	15.53	29.29	38.25	9.64	none
11 Alberta	7.8	14.89	25.9	34.23	17.17	none
12 McGill	9.12	15.15	22.56	34.22	10.31	8.65
13 Queen's	8.59	10.26	24.9	32.45	23.79	none
14 Toronto	6.22	8.25	19.74	34.83	21.33	9.64
15 McMaster	3.93	10.05	13.53	40.15	29.52	2.72

COMPREHENSIVE

1 Memorial	11.05	42.9	29.48	9.33	7.24	none
2 Regina	17.37	32.14	25.78	21.22	3.49	none
3 New Brunswick	12.5	29.63	33.66	19.07	5.25	none
4 Concordia	11.9	28.83	39.45	13.97	0.78	5.07
5 Waterloo	18.14	18.87	33.43	23.92	3.96	1.66
6 Guelph	25.34	20.14	11.9	20.88	20.43	1.31
7 Victoria	11.98	20.66	30.66	31.42	5.28	none
8 Carleton	8.65	11.49	27.96	35.01	16.89	none
9 Windsor	7.64	10.74	26.14	39.5	15.99	none
10 Simon Fraser	7.61	11.29	23.66	42.31	15.13	none
11 York	7.07	8.4	21.63	37.73	22.25	2.92

PRIMARILY UNDERGRADUATE

1 Cape Breton	31.82	43.92	21.79	2.48	none	none
2 Mount Saint Vincent	26.17	43.78	28.69	1.36	none	none
3 Bishop's	23.41	44.43	29.92	2.24	none	none
4 Moncton	23.04	47.25	21.69	6.74	1.28	none
*5 Brandon	24.63	31.66	31.94	11.77	none	none
*5 Trent	44.49	14	16.9	14.92	9.69	none
7 St. Thomas	17.91	31.8	50.29	none	none	none
8 UNBC	29.69	28.22	25.23	16.87	none	none
9 Acadia	11.48	42.29	35.72	10.53	none	none
10 St. Francis Xavier	14.61	40.92	30	12.57	1.9	none
11 Winnipeg	10.24	39.75	41.79	8.21	none	none
12 UPEI	15.36	33.82	35.63	9.56	5.62	none
13 Laurentian	14.56	27.2	33.64	21.51	3.07	none
14 Saint Mary's	11.91	29.91	32.91	25.27	none	none
15 Mount Allison	14.99	22.97	33.5	28.54	none	none
*16 Lakehead	12.39	28.47	34.03	20.32	4.78	none
*16 Lethbridge	11.92	24.1	38.58	25.4	none	none
18 Nipissing	10.65	24.76	40.66	23.73	none	none
19 Ryerson	8.33	28.58	32.18	23.64	4.24	3.03
20 Wilfrid Laurier	3.6	13.43	38.69	32.67	11.6	none
21 Brock	3.93	12.06	25.26	31.26	27.49	none

PERCENTAGE OF STUDENTS IN EACH CLASS-SIZE RANGE

Third- and fourth-year level

MEDICAL DOCTORAL

	1-25	26-50	51-100	101-250	251-500	500+
1 Saskatchewan	38.12	38.74	20.84	2.3	none	none
2 Western	39.03	35.49	18.13	7.34	none	none
3 Sherbrooke	27.28	45.04	23.54	4.14	none	none
4 Manitoba	34.6	28.7	31.81	4.89	none	none
*5 Laval	38.22	25.15	26.56	10.07	none	none
*5 McGill	33.97	33.27	23.48	9.28	none	none
7 Dalhousie	33.54	33.49	23.61	9.35	none	none
8 Montréal	32.51	29.52	30.84	6.48	0.64	none
9 Calgary	24.18	44.48	23.75	7.58	none	none
10 Ottawa	25.56	32.41	32.55	9.46	none	none
11 Alberta	24.82	28.6	31.02	14.25	1.31	none
12 Queen's	24.86	29.95	26.17	16.62	2.39	none
13 Toronto	20.65	32.05	30.56	13.87	1.99	0.89
14 UBC	15.09	27.86	32.65	18.9	5.49	none
15 McMaster	18.2	23.46	24.53	31.49	2.32	none

COMPREHENSIVE

1 Regina	44.34	44	10.06	1.59	none	none
2 Memorial	33.14	48.24	14.45	2.54	1.63	none
3 New Brunswick	31.32	41.05	24.73	1.49	1.41	none
4 Victoria	32.73	36	23.85	7.41	none	none
5 Concordia	15.25	38.01	31.67	5.07	none	none
6 Windsor	22.85	41.54	27.66	7.93	none	none
7 Guelph	29.45	33.16	22.18	13.73	1.48	none
8 York	24.21	35.47	29.03	11.3	none	none
9 Simon Fraser	23.59	33.8	30.55	10.96	1.1	none
*10 Carleton	21.56	31.33	33.54	11.39	2.16	none
*10 Waterloo	22.36	28.5	36.4	10.94	1.79	none

PRIMARILY UNDERGRADUATE

1 Brandon	80.74	19.26	none	none	none	none
2 Mount Saint Vincent	65.72	34.28	none	none	none	none
3 Bishop's	63.64	36.36	none	none	none	none
4 Cape Breton	65.22	30.79	2.07	1.92	none	none
5 Mount Allison	49.74	40.51	9.75	none	none	none
*6 Moncton	49.28	39.21	9.22	2.3	none	none
*6 UPEI	50.29	34.32	15.39	none	none	none
8 St. Francis Xavier	45.7	44.04	8.62	1.63	none	none
*9 Acadia	43.66	48.24	3.54	4.56	none	none
*9 Nipissing	45.37	40.48	14.17	none	none	none
11 UNBC	44.48	40.33	15.19	none	none	none
12 Trent	49.45	33.45	12.25	4.84	none	none
*13 Laurentian	43.56	38.13	15.03	3.28	none	none
*13 Saint Mary's	38.43	45.36	16.21	none	none	none
15 Winnipeg	36.01	48.96	7.22	7.81	none	none
16 Lethbridge	30.69	50.55	19.36	none	none	none
17 St. Thomas	40.54	27.13	32.33	none	none	none
18 Wilfrid Laurier	23.12	55.05	19.97	1.87	none	none
15 Brock	26.79	45.52	17.91	5.78	none	none
20 Lakehead	23.4	51.61	19.38	5.61	none	none
21 Ryerson	15.64	37.32	34.53	12.51	none	none

*Indicates a tie. Full description of the methodology page 32.



IT'S A SIMPLE, STRAIGHTFORWARD ARRANGEMENT: FIRST, CANADA HELPS TRANSFORM HOLIDA TEK. THEN, HOLIDA TEK HELPS TRANSFORM CANADA.

His ability is not in question. Nor his drive. But the financial challenges of a post-secondary education could have easily extinguished Holida's potential to benefit our country as an information technology specialist. He's one of over 420,000 students helped through the programs and research of the Canada Millennium Scholarship Foundation.

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FACULTY

The calibre of the faculty is vital to the students' own development. *Maclean's* calculates the percentage of faculty with a Ph.D. It also measures their success at winning national awards and peer-adjudicated grants from the three main federal granting agencies, as well as from the Canada Council.





Award-winning Queen's faculty John Smol, Arthur McDonald and Ian Towner (top), Concordia faculty Bill Reimer, Gary Johns and Barbara Layne, all recipients of SSHRC grants

FACULTY WITH PH.D.s

Maclean's measures the percentage of full-time faculty with a Ph.D. or doctorate. Excluded from the count are disciplines in which a doctorate is not the most common terminal degree.

MEDICAL DOCTORAL		PER CENT
*1	Alberta	99.1
*t	UBC	99.1
3	Ottawa	99
4	Western	98.8
5	Toronto	98.5
6	Laval	98.4
7	Manitoba	98.2
8	Queen's	97.9
9	McMaster	96.5
10	Montréal	95.7
11	McGill	95.2
12	Saskatchewan	93.7
13	Calgary	93.1
14	Sherbrooke	92.8
15	Dalhousie	90.7

COMPREHENSIVE		
1	Guelph	93.1
2	Waterloo	94.9
3	Windsor	94.1
4	Victoria	92.8
5	Carleton	92.7
6	Simon Fraser	92.1
7	York	90.9
8	Memorial	88.1
9	New Brunswick	86.5
10	Concordia	85
11	Regina	74

PRIMARILY UNDERGRADUATE		
1	St. Thomas	96.3
2	Saint Mary's	96.2
3	UNBC	91.6
4	Wilfrid Laurier	90.9
5	Lakehead	90.8
6	Mount Allison	89.8
7	Acadia	88.6
8	St. Francis Xavier	88.4
9	Trent	88.2
10	Brock	85.6
11	UPEI	85.3
12	Laurentian	84.8
13	Mount Saint Vincent	81.8
14	Lethbridge	81
15	Winnipeg	79.8
16	Nipissing	78.9
17	Brandon	78.6
18	Bishop's	76.5
19	Moncton	74
20	Ryerson	72.7
21	Cape Breton	62.3

FACULTY AWARDS

The five-year tally (2000-2004) of the number of full-time professors, per 1,000, who have won national awards. The long list includes the following: the 3M Teaching Fellowship Awards, the Gerhard Herzberg Canada Gold Medal for Science and Engineering, plus the Molson and Killam Prizes, awarded by the Canada Council.

MEDICAL DOCTORAL		
1	Queen's	13.3
2	Toronto	10.4
3	UBC	9.3
4	McGill	8.5
5	Alberta	5.8
*6	Montréal	5.5
*6	Ottawa	5.5
8	McMaster	4.4
9	Calgary	4.3
10	Laval	4
11	Saskatchewan	3.2
12	Sherbrooke	3.1
13	Dalhousie	2.9
14	Western	2.8
15	Manitoba	1.6

COMPREHENSIVE		
1	Waterloo	7.3
2	Simon Fraser	6
*3	Victoria	5.5
*3	York	5.5
5	New Brunswick	3.5
6	Guelph	2.5
7	Carleton	2.2
8	Memorial	1.9
9	Windsor	1.8
10	Regina	0.9
11	Concordia	0.8

PRIMARILY UNDERGRADUATE		
1	UPEI	5.1
2	Mount Allison	4.8
3	Brock	3.1
4	Trent	3
5	Mount Saint Vincent	2.9
6	Brandon	2.8
*7	Laurentian	2.5
*7	St. Thomas	2.5
*9	Nipissing	2.3
*9	Wilfrid Laurier	2.3
11	Acadia	2
12	Saint Mary's	1.8
13	Winnipeg	1.7
*14	Lethbridge	1.4
*14	UNBC	1.4
16	Ryerson	1.1
*17	Moncton	1
*17	St. Francis Xavier	1
19	Lakehead	0.8
*20	Bishop's	none
*20	Cape Breton	none

SOCIAL SCIENCES AND HUMANITIES GRANTS

Below are the average size and number of peer adjudicated research grants from both the Social Sciences and Humanities Research Council and the Canada Council. The size of grants is listed per eligible full-time faculty member; the number of grants is per 100 eligible full-time faculty members. The ranking reflects a weighted average of the two.

MEDICAL DOCTORAL			
1	McGill	$23,266	64.35
2	Toronto	19,783	56.47
3	Montréal	20,689	49.73
4	UBC	15,711	52.8
5	Alberta	12,169	43.32
6	Ottawa	13,645	36.25
7	McMaster	9,337	31.89
8	Queen's	7,888	34.31
9	Saskatchewan	10,907	23.39
10	Western	9,451	25.6
11	Laval	8,329	27.27
12	Sherbrooke	7,342	22.85
13	Calgary	7,438	20.97
14	Dalhousie	5,925	21.28
15	Manitoba	6,291	16.74

COMPREHENSIVE			
1	Concordia	$12,052	32.11
2	Simon Fraser	10,953	34.69
3	Waterloo	7,182	24.59
4	Guelph	7,151	23.86
5	Carleton	7,361	22.8
6	Victoria	6,529	20.68
7	York	5,911	17.47
8	Regina	6,060	14.39
9	New Brunswick	5,436	13.46
10	Windsor	4,567	13.63
11	Memorial	3,896	7.93

PRIMARILY UNDERGRADUATE			
t	UNBC	$9,121	22.34
2	Mount Saint Vincent	5,483	17.76
3	Saint Mary's	4,614	19.14
4	UPEI	4,827	16.67
5	Winnipeg	4,075	16.35
6	Wilfrid Laurier	3,760	16.49
7	St. Francis Xavier	3,307	17.5
8	Acadia	4,369	13.79
9	Moncton	3,594	15.57
10	Lakehead	3,584	15.49
11	Trent	3,280	14.75
12	Brock	3,128	13.46
13	Brandon	4,918	8.43
14	St. Thomas	3,301	11.43
15	Mount Allison	2,675	9.89
16	Lethbridge	2,821	8.45
17	Cape Breton	2,213	7.94
18	Nipissing	1,136	9.68
19	Bishop's	1,323	8.33
20	Ryerson	1,346	5.93
21	Laurentian	925	4.44

MEDICAL/SCIENCE GRANTS

Here are the average size and number of peer adjudicated research grants from both the Natural Sciences and Engineering Research Council and the Canadian Institutes of Health Research. The size of grants is listed per eligible full-time faculty member; the number of grants is per 100 eligible full-time faculty members. The ranking reflects a weighted average of the two.

MEDICAL DOCTORAL			
t	Toronto	$134,369	216.23
2	McGill	123,918	161.47
3	Alberta	92,499	177
4	UBC	106,138	155.39
5	Montréal	95,924	133.13
6	Western	82,204	150.87
7	Laval	83,771	138.77
8	Ottawa	88,683	117.88
9	Calgary	84,156	119.77
10	McMaster	79,077	121.65
11	Queen's	77,249	120.53
12	Sherbrooke	56,040	104.84
13	Manitoba	48,821	87.89
14	Dalhousie	44,132	93.89
15	Saskatchewan	49,238	83.62

COMPREHENSIVE			
1	Victoria	$78,989	159.28
2	Simon Fraser	68,073	156.55
3	Guelph	70,004	132.58
4	Waterloo	55,369	122.63
5	Carleton	41,091	111.58
6	Concordia	37,632	108.33
7	York	42,555	97.8
8	Windsor	34,737	95.15
9	New Brunswick	30,637	80.38
10	Regina	23,134	85.31
11	Memorial	28,091	66.15

PRIMARILY UNDERGRADUATE			
1	Lethbridge	$35,214	96.3
2	Trent	27,868	76
3	Brock	24,510	76.15
*4	Lakehead	18,850	74.79
*4	St. Francis Xavier	18,979	74.65
6	Mount Allison	15,813	72.34
7	Saint Mary's	16,450	69.12
8	Acadia	15,138	64.56
9	Ryerson	15,474	62.37
10	Wilfrid Laurier	14,743	63.95
11	UPEI	19,116	51.3
12	Laurentian	16,541	51.33
*13	UNBC	11,623	52.66
*13	Winnipeg	11,875	52.38
15	Moncton	10,101	54.12
16	Bishop's	5,131	45.45
17	Cape Breton	7,206	31.25
18	Brandon	7,085	26.32
19	Nipissing	4,161	31.82
20	Mount Saint Vincent	2,692	12.5
–	St. Thomas†	N/A	N/A

*Indicates a tie. Full description of the methodology page 32.

PHOTOGRAPHS BY CHRISTINNE MUSCHI

†St. Thomas is exempted from reporting information for this indicator as it does not offer science programs. Its overall score is calculated on the remaining indicators.

FINANCES

The financial resources at a university's disposal determine its ability to provide students with many valuable opportunities. *Maclean's* measures the size of the operating budget per weighted full-time-equivalent student, as well as the percentage of the budget devoted to student services and to scholarships and bursaries.

OPERATING BUDGET

Operating expenditures per weighted full-time-equivalent student

MEDICAL DOCTORAL

1	Toronto	$10,113
2	Dalhousie	10,081
3	Saskatchewan	9,970
4	Alberta	9,738
5	Ottawa	9,589
6	Calgary	9,497
7	Western	9,132
8	Montréal	8,994
9	McGill	8,972
10	Laval	8,916
11	McMaster	8,818
12	Queen's	8,614
13	Manitoba	8,283
14	Sherbrooke	7,795
15	UBC	7,762

COMPREHENSIVE

1	Simon Fraser	$10,044
2	Victoria	9,843
3	Regina	9,765
4	Memorial	9,084
5	Waterloo	9,034
6	Guelph	8,844
7	New Brunswick	8,489
8	Carleton	8,297
9	Windsor	8,174
10	Concordia	7,731
11	York	7,701

PRIMARILY UNDERGRADUATE

1	Mount Allison	$11,976
2	UNBC	10,384
3	UPEI	10,166
4	Acadia	9,380
5	Laurentian	9,283
6	St. Francis Xavier	9,214
7	Bishop's	9,210
8	Moncton	9,137
9	Lethbridge	8,880
10	Brandon	8,857
11	Trent	8,737
12	Saint Mary's	8,671
13	St. Thomas	8,134
14	Nipissing	8,068
15	Lakehead	7,770
16	Mount Saint Vincent	7,717
17	Cape Breton	7,614
18	Winnipeg	7,346
19	Ryerson	7,270
20	Wilfrid Laurier	6,886
21	Brock	6,120

SCHOLARSHIPS & BURSARIES

Percentage of total operating expenditures devoted to scholarships and bursaries

MEDICAL DOCTORAL

		PER CENT
1	Western	15.76
2	UBC	13.54
3	Queen's	13.24
4	Alberta	13.14
5	Toronto	12.88
6	Calgary	11.82
7	Ottawa	11.8
8	McGill	11.68
9	Sherbrooke	11.47
10	McMaster	11.23
11	Montréal	10.39
12	Dalhousie	9.26
13	Laval	8.86
14	Manitoba	6.74
15	Saskatchewan	5.41

COMPREHENSIVE

1	Carleton	10.79
2	Waterloo	9.69
3	York	9.57
4	Regina	8.6
5	Victoria	8.18
6	Simon Fraser	8.01
7	Guelph	6.98
8	Windsor	6.91
9	Memorial	5.97
10	New Brunswick	5.3
11	Concordia	4.91

PRIMARILY UNDERGRADUATE

1	Trent	9.69
2	Lakehead	8.85
3	Laurentian	7.75
4	Wilfrid Laurier	7.34
5	Brock	7.09
6	St. Thomas	6.69
7	Bishop's	5.69
8	Nipissing	5.61
9	Lethbridge	5.45
*10	Mount Allison	5.33
*10	Ryerson	5.33
12	St. Francis Xavier	5.16
13	Saint Mary's	4.73
14	Moncton	4.62
15	UPEI	4.42
16	Mount Saint Vincent	4.08
17	Acadia	3.74
18	UNBC	3.47
19	Winnipeg	3.25
20	Cape Breton	2.49
21	Brandon	2.16

STUDENT SERVICES

Percentage of total operating expenditures devoted to student services

MEDICAL DOCTORAL

		PER CENT
1	UBC	7.97
2	Toronto	7.25
3	Ottawa	6.75
4	McMaster	6.52
5	Queen's	5.31
6	McGill	5.19
7	Western	4.92
8	Montréal	4.85
9	Laval	4.82
10	Alberta	4.79
11	Dalhousie	4.75
12	Sherbrooke	4.28
13	Manitoba	4.25
14	Calgary	4.11
15	Saskatchewan	3.77

COMPREHENSIVE

1	Guelph	6.91
2	Windsor	6.86
3	Simon Fraser	6.73
4	York	6.21
*5	Carleton	5.88
*5	Memorial	5.88
7	Waterloo	5.56
8	Victoria	5.14
9	Regina	4.83
10	New Brunswick	4.09
11	Concordia	3.57

PRIMARILY UNDERGRADUATE

1	Bishop's	10.24
2	Lethbridge	9.79
3	Winnipeg	9.49
4	St. Thomas	9.22
5	Brock	7.38
6	St. Francis Xavier	7.24
7	UNBC	6.78
8	Cape Breton	6.72
9	Ryerson	6.64
10	Moncton	6.6
11	Wilfrid Laurier	6.44
12	Nipissing	6.27
13	Mount Allison	6.06
14	Acadia	6.04
15	Saint Mary's	6.02
16	Trent	5.95
17	Brandon	5.57
18	Laurentian	5.3
19	Lakehead	5.29
20	UPEI	5.2
21	Mount Saint Vincent	4.1

*Indicates a tie. Full description of the methodology, page 32

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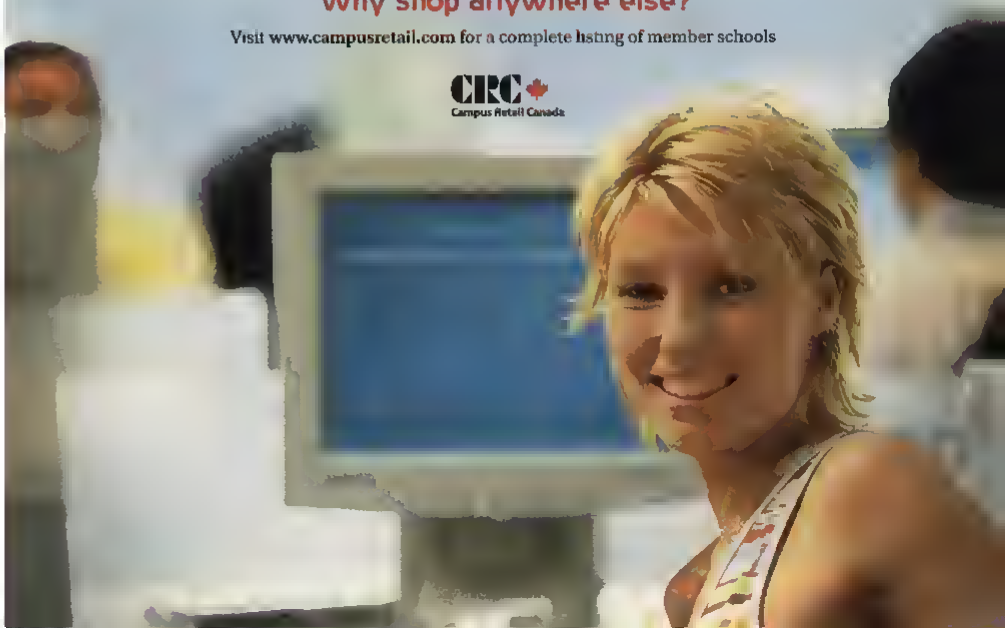
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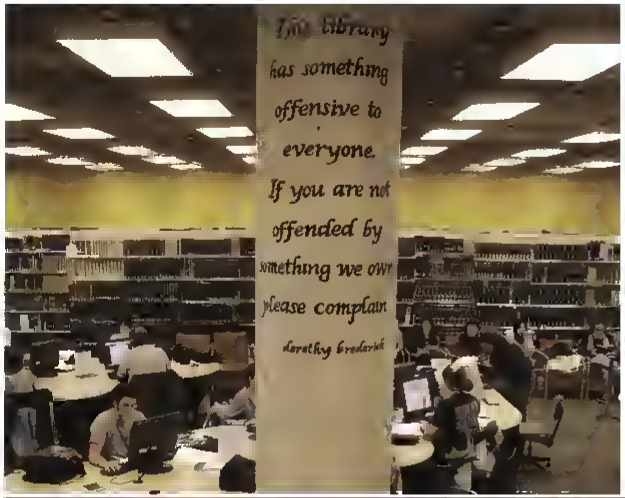
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LIBRARY

The library is the heart of many campuses. *Maclean's* measures the commitment to library funding, including electronic access, as well as the collection's size and currency.

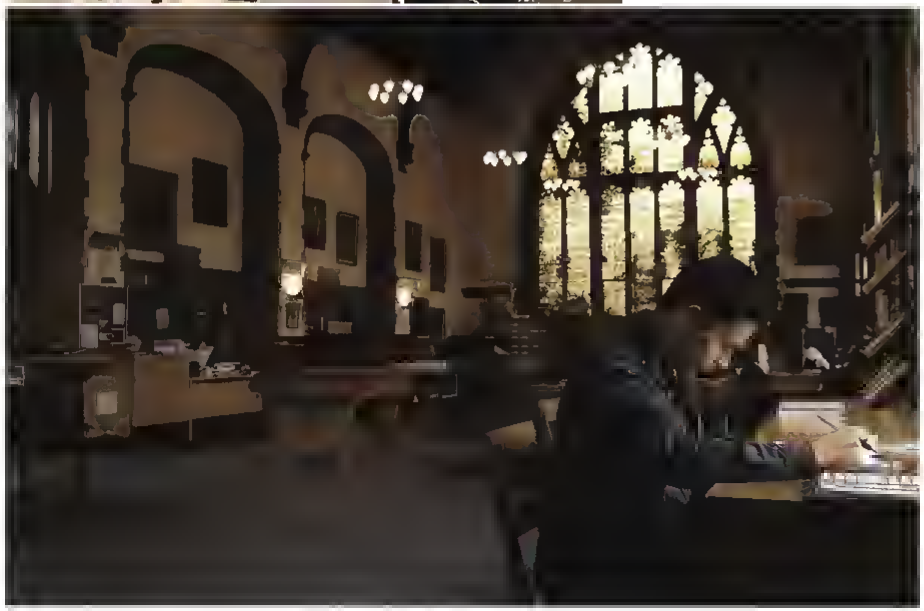


TOTAL LIBRARY HOLDINGS

This indicator measures total holdings in all campus libraries, acknowledging the importance of extensive on-campus collections at Medical Doctoral universities.

MEDICAL DOCTORAL		IN MILLIONS
1	Toronto	14 673
2	Alberta	10 004
3	UBC	9 017
4	Western	8 089
5	Queen's	5.452
6	Calgary	5 16
7	Montréal	5 068
8	McGill	5 006
9	Laval	4.836
10	Saskatchewan	4 419
11	Ottawa	4 356
12	Manitoba	3 245
13	McMaster	3.153
14	Dalhousie	2.26
15	Sherbrooke	1.877

Studying at Memorial University (left), which ranks first in its category for holdings per student and library expenses, and at U of T (below), which tops the total holdings chart



Full description of the methodology page 32.

PHOTOGRAPH BY PAUL DALY (TOP); PETER BREGG/MACLEAN'S



HOLDINGS PER STUDENT

These figures show the number of volumes in all campus libraries, divided by the number of full-time-equivalent students.

MEDICAL DOCTORAL		
1	Alberta	332
*2	Queen's	289
*2	Saskatchewan	289
4	Western	280
5	Toronto	252
6	UBC	251
7	Calgary	219
8	Laval	212
9	McGill	193
10	Ottawa	175
11	Dalhousie	167
12	McMaster	153
13	Manitoba	151
14	Sherbrooke	135
15	Montréal	130

COMPREHENSIVE		
1	Memorial	280
2	New Brunswick	279
3	Victoria	234
4	Regina	213
5	Guelph	206
6	Windsor	187
7	Carleton	162
8	Waterloo	152
9	York	131
10	Simon Fraser	125
11	Concordia	124

PRIMARILY UNDERGRADUATE		
1	Mount Allison	386
2	Brandon	363
3	Acadia	317
4	Mount Saint Vincent	292
5	St. Thomas	279
6	Moncton	270
7	UPEI	255
8	Bishop's	227
9	St. Francis Xavier	223
10	UNBC	213
11	Lethbridge	203
12	Laurentian	194
13	Lakehead	191
14	Cape Breton	190
15	Trent	155
16	Saint Mary's	147
17	Wilfrid Laurier	129
18	Nipissing	128
19	Brock	121
20	Winnipeg	101
21	Ryerson	56

ACQUISITIONS

To gauge the currency of resources, *Maclean's* measures the proportion of the library budget allocated to updating the university's collection, including electronic access.

MEDICAL DOCTORAL		PER CENT
1	Western	58.33
2	Toronto	53.85
3	Laval	52.76
4	Sherbrooke	50.92
5	McMaster	49.73
6	Saskatchewan	49.7
7	Queen's	48.52
8	Alberta	46.99
9	McGill	46.75
10	Ottawa	45.51
11	Calgary	44.97
12	UBC	42.3
13	Dalhousie	42.07
14	Montréal	39.33
15	Manitoba	37.62

COMPREHENSIVE		
1	Regina	48.34
2	Simon Fraser	44.8
3	Waterloo	44.17
4	Victoria	40.91
5	Windsor	40.32
6	Guelph	40.15
7	Memorial	39.64
8	York	39.29
9	Carleton	31.56
10	New Brunswick	31.02
11	Concordia	28.04

PRIMARILY UNDERGRADUATE		
1	UNBC	49.17
2	Lakehead	40.79
3	St. Francis Xavier	40.35
4	Laurentian	40.13
5	Wilfrid Laurier	39.94
6	Mount Saint Vincent	39.9
7	Nipissing	38.47
8	UPEI	38.22
9	Brock	37.1
10	Brandon	36.73
11	Bishop's	36.12
12	Moncton	35.58
13	Winnipeg	35.22
14	Ryerson	35.05
15	Acadia	32.37
16	Mount Allison	31.98
17	St. Thomas	31.02
18	Saint Mary's	31.01
19	Trent	30.85
20	Lethbridge	30.8
21	Cape Breton	28.8

EXPENSES

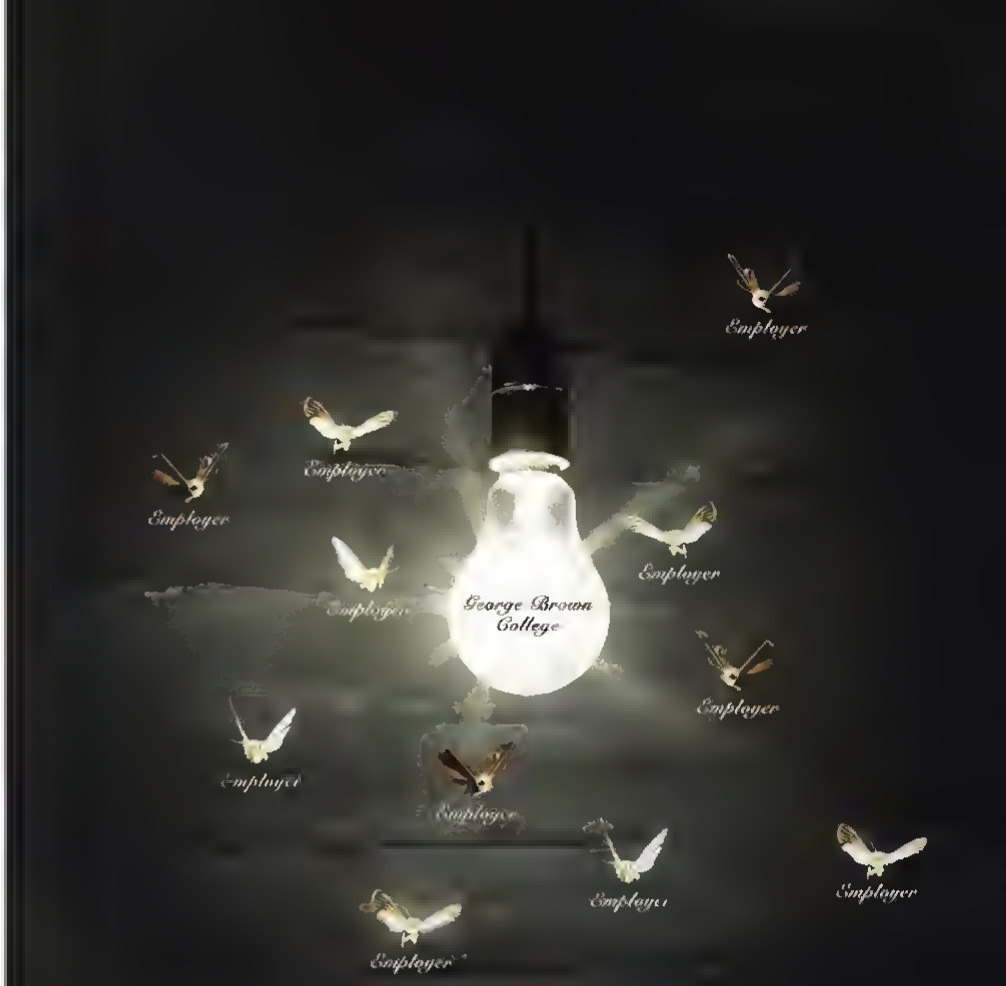
A measure of financial commitment, this indicator shows the percentage of the university budget devoted to maintaining library services

MEDICAL DOCTORAL		PER CENT
1	Toronto	8.86
2	Western	7.7
3	Alberta	6.98
4	Manitoba	6.9
5	UBC	6.71
6	Saskatchewan	6.53
7	Queen's	6.51
8	McGill	6.31
9	Montréal	5.88
10	Calgary	5.71
11	Laval	5.22
12	Ottawa	4.98
13	McMaster	4.83
14	Dalhousie	4.3
15	Sherbrooke	4.16

COMPREHENSIVE		
1	Memorial	6.81
2	Simon Fraser	6.32
3	New Brunswick	6.27
4	Carleton	5.61
5	Victoria	5.72
6	Windsor	5.71
7	Guelph	5.54
8	Regina	5.39
9	York	5.06
10	Concordia	4.95
11	Waterloo	4.82

PRIMARILY UNDERGRADUATE		
1	Mount Allison	6.7
2	Bishop's	6.53
3	UNBC	6.01
4	Winnipeg	5.97
5	Moncton	5.65
6	Brandon	5.47
7	Lethbridge	5.22
8	Lakehead	5.06
9	St. Francis Xavier	4.95
10	Brock	4.93
11	Acadia	4.9
12	Saint Mary's	4.86
13	St. Thomas	4.71
14	Wilfrid Laurier	4.66
15	Trent	4.58
16	Laurentian	4.49
17	Cape Breton	4.19
18	Ryerson	4.16
19	UPEI	4.1
20	Nipissing	3.98
21	Mount Saint Vincent	3.76

*Indicates a tie. Full description of the methodology page 32.

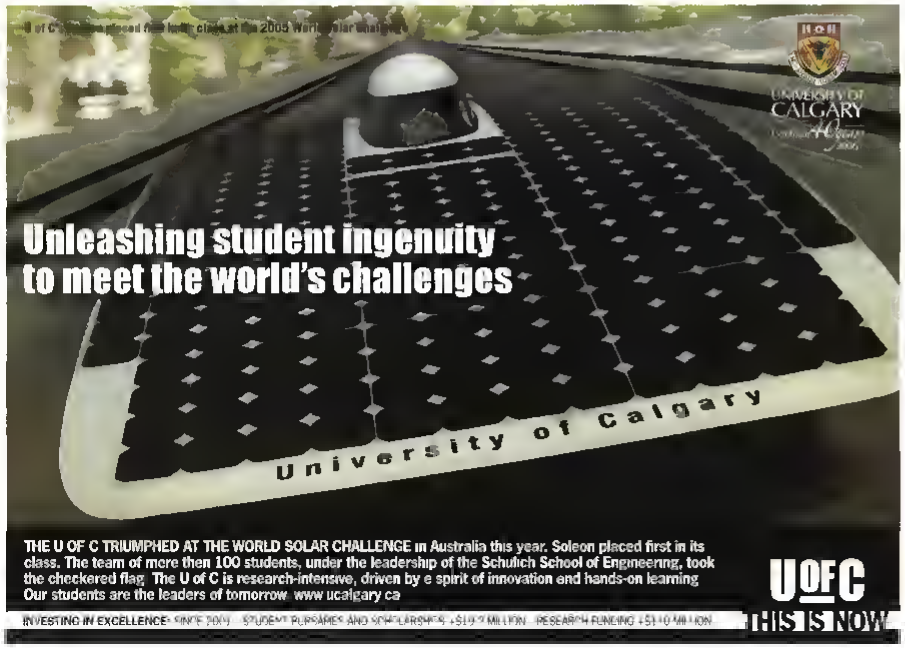


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REPUTATION

A solid reputation attracts the best students and faculty—and gives graduates an enviable calling card. *Maclean's* measures a university's reputation with the community at large, as well as with its own alumni.



Networking at the innovative Waterloo, once again tops on the national reputational ranking

PHOTOGRAPH BY TOBIN BRIMSHAW

NATIONAL REPUTATIONAL RANKING

This ranking combines all 47 universities from the three categories into one group. It reflects the opinion of a diverse range of voices: high-school principals and guidance counsellors from every province and territory, university officials at each ranked institution, the heads of a wide variety of national and regional organizations, plus CEOs and recruiters at corporations large and small.

When soliciting the views of the various respondents, *Maclean's* asked each individual to complete a national survey. University officials, principals and guidance counsellors also completed regional surveys. Consulting statisticians from McDougall Scientific Ltd. combined the two surveys to produce the final results.

	BEST OVERALL	HIGHEST QUALITY	MOST INNOVATIVE	LEADERS OF TOMORROW
1	Waterloo	McGill	Waterloo	Toronto
2	Toronto	Queen's	McMaster	Waterloo
3	McGill	Toronto	Alberta	UBC
4	UBC	Waterloo	McGill	Alberta
5	Alberta	UBC	UBC	McGill
6	McMaster	Alberta	Toronto	McMaster
7	Queen's	McMaster	Guelph	Queen's
8	Guelph	Western	Queen's	Guelph
9	Western	Guelph	Sherbrooke	Sherbrooke
10	Sherbrooke	Victoria	Simon Fraser	Montréal
11	Simon Fraser	Dalhousie	Western	Western
12	Victoria	St. Francis Xavier	Saskatchewan	Saskatchewan
13	Saskatchewan	Montréal	Victoria	Simon Fraser
14	Montréal	Simon Fraser	Acadia	Victoria
15	St. Francis Xavier	Mount Allison	St. Francis Xavier	Ryerson
16	Acadia	Acadia	Ryerson	Calgary
17	Dalhousie	Sherbrooke	Calgary	Dalhousie
18	Calgary	Saskatchewan	Montréal	Acadia
19	Ryerson	Wilfrid Laurier	Dalhousie	York
20	Wilfrid Laurier	Laval	Wilfrid Laurier	St. Francis Xavier
21	Laval	Memorial	Memorial	Laval
22	Memorial	Calgary	Laval	Concordia
23	Mount Allison	Ottawa	York	Wilfrid Laurier
24	York	York	Mount Allison	Brock
25	Ottawa	New Brunswick	Ottawa	Lethbridge
26	Concordia	Ryerson	Concordia	Memorial
27	New Brunswick	Manitoba	New Brunswick	UNBC
28	Manitoba	Concordia	Manitoba	Ottawa
29	Lethbridge	Saint Mary's	Lethbridge	Manitoba
30	Brock	Lethbridge	Trent	Winnipeg
31	Trent	Trent	Brock	New Brunswick
32	Saint Mary's	Regina	Saint Mary's	Carleton
33	Regina	Brock	Regina	Trent
34	Carleton	Carleton	Carleton	Laurentian
35	Winnipeg	Moncton	UNBC	Mount Allison
36	UNBC	Mount Saint Vincent	Winnipeg	Regina
37	UPEI	St. Thomas	UPEI	Windsor
38	St. Thomas	Bishop's	Mount Saint Vincent	Cape Breton
39	Mount Saint Vincent	Winnipeg	St. Thomas	UPEI
40	Moncton	UPEI	Moncton	Lakehead
41	Bishop's	UNBC	Lakehead	Saint Mary's
42	Windsor	Windsor	Windsor	Nipissing
43	Lakehead	Lakehead	Bishop's	St. Thomas
44	Laurentian	Laurentian	Laurentian	Bishop's
45	Cape Breton	Brandon	Cape Breton	Moncton
46	Brandon	Cape Breton	Brandon	Brandon
47	Nipissing	Nipissing	Nipissing	Mount Saint Vincent

*Indicates a tie. Full description of the methodology page 32.

ALUMNI SUPPORT

Maclean's measures the percentage of alumni who made gifts to the university over a five-year period.

MEDICAL DOCTORAL

		PER CENT
1	Toronto	25.9
2	Western	24.5
3	McGill	18.3
4	Sherbrooke	18
5	Queen's	16.2
6	Calgary	16.1
7	Dalhousie	16
8	Alberta	15.2
9	Montréal	14.6
10	Saskatchewan	14.5
11	Ottawa	14.4
12	Manitoba	14
*13	UBC	13.8
*13	McMaster	13.8
15	Laval	13.4

COMPREHENSIVE

1	Waterloo	19.1
2	Guelph	16.8
3	Windsor	16
4	Simon Fraser	14.5
5	Concordia	14.3
6	Memorial	13.5
7	Carleton	12.6
8	New Brunswick	12.5
9	Victoria	10.3
10	York	8.3
11	Regina	4

PRIMARILY UNDERGRADUATE

1	St. Francis Xavier	39.2
2	Saint Mary's	27
3	Mount Allison	24.2
4	Winnipeg	21.9
5	St. Thomas	21.5
6	Bishop's	20.1
7	Mount Saint Vincent	18.7
8	Wilfrid Laurier	17.4
9	Trent	17.3
10	UPEI	16
11	Lakehead	13.7
12	Acadia	13.4
13	Moncton	12.8
14	Cape Breton	12.2
15	UNBC	11.1
16	Brock	10.7
17	Nipissing	10.6
18	Ryerson	8.5
19	Brandon	7.7
20	Lethbridge	4.8
21	Laurentian	4

VALUE ADDED

Which universities get top marks for going the distance with their students? In this output measure, consulting statisticians from McDougall Scientific Ltd. juxtaposed two sets of figures and identified those universities with the greatest difference between the two. The first set includes measures related to the incoming student: average entering grade and the proportion of students entering with averages of 75 per cent or higher. The second examines one measure of student satisfaction—the percentage of first-year students who return in second year—and two measures of student achievement: the proportion of students who graduate within a reasonable time frame and who win student awards.



Lakehead University's Advanced Technology & Academic Centre

TOP 25

1	Lakehead
2	Trent
3	Windsor
4	Saint Mary's
5	Laurentian
6	Acadia
7	Ottawa
8	Wilfrid Laurier
9	York
10	New Brunswick
11	Toronto
*12	Manitoba
*12	Ryerson
14	Nipissing
15	Brock
16	Moncton
17	Memorial
*18	UPEI
*18	Waterloo
20	Carleton
*21	McMaster
*21	Queen's
*23	Guelph
*23	Lethbridge
25	McGill

*Indicates a tie.

THE MACLEAN'S DIRECTORY | Every university in the *Maclean's* survey has a unique history, a distinct mission—and its own particular strengths. The student numbers below refer to the 2004-2005 academic year.

UNIVERSITY	LOCATION AND FOUNDING DATE	FULL-TIME STUDENTS	PART-TIME STUDENTS
ACADIA	Wolfville, N.S. (1838)	3,679	346
ALBERTA	Edmonton, Alta. (1908)	30,605	4,012
BISHOP'S	Lennoxville, Que. (1843)	2,191	606
BRANDON	Brandon, Man. (1899)	2,299	1,087
BRITISH COLUMBIA (UBC)	Vancouver, B.C. (1908)	29,573	12,759
BROCK	St. Catharines, Ont. (1964)	13,090	3,507
CALGARY	Calgary, Alta. (1966)	23,414	4,514
CAPE BRETON	Sydney, N.S. (1974)	2,588	798
CARLETON	Ottawa, Ont. (1942)	18,720	4,865
CONCORDIA	Montreal, Que. (1974)	19,024	11,870
DALHOUSIE	Halifax, N.S. (1818)	13,514	2,300
GUELPH	Guelph, Ont. (1964)	16,653	1,565
LAKEHEAD	Thunder Bay, Ont. (1965)	6,123	1,456
LAURENTIAN	Sudbury, Ont. (1960)	5,939	2,270
LAVAL	Quebec City, Que. (1663)	25,552	11,680
LETHBRIDGE	Lethbridge, Alta. (1967)	6,847	903
MANITOBA	Winnipeg, Man. (1877)	20,335	7,227
MCGILL	Montreal, Que. (1821)	25,552	5,132
MCMASTER	Hamilton, Ont. (1887)	19,264	3,505
MEMORIAL	St. John's and Corner Brook, Nfld. (1925)	14,275	3,057
MONCTON	Moncton, Edmundston and Shippagan, N.B. (1963)	5,116	1,284
MONTRÉAL	Montreal, Que. (1878)	37,019	18,131
MOUNT ALLISON	Sackville, N.B. (1839)	2,082	730
MOUNT SAINT VINCENT	Halifax, N.S. (1873)	2,384	2,208
NEW BRUNSWICK (UNB)	Fredericton and Saint John, N.B. (1785)	10,609	2,256
NIPISSING	North Bay, Ont. (1992)	3,071	2,835
NORTHERN BRITISH COLUMBIA (UNBC)	Prince George, B.C. (1994)	2,539	1,125
OTTAWA	Ottawa, Ont. (1848)	24,975	6,464
PRINCE EDWARD ISLAND (UPEI)	Charlottetown, P.E.I. (1804)	3,454	645
QUEEN'S	Kingston, Ont. (1841)	16,743	3,648
REGINA	Regina, Sask. (1974)	7,833	4,911
RYERSON	Toronto, Ont. (1848)	14,265	13,786
ST. FRANCIS XAVIER	Antigonish, N.S. (1853)	4,281	731
SAINT MARY'S	Halifax, N.S. (1802)	6,251	2,208
ST. THOMAS	Fredericton, N.B. (1910)	2,893	341
SASKATCHEWAN	Saskatoon, Sask. (1907)	15,407	3,504
SHERBROOKE	Sherbrooke, Que. (1954)	12,255	7,986
SIMON FRASER	Burnaby, B.C. (1963)	12,960	9,746
TORONTO	Toronto, Ont. (1827)	59,870	8,958
TRENT	Peterborough, Ont. (1963)	6,275	1,513
VICTORIA	Victoria, B.C. (1963)	12,476	5,844
WATERLOO	Waterloo, Ont. (1957)	23,185	2,660
WESTERN ONTARIO	London, Ont. (1878)	28,529	4,379
WILFRID LAURIER	Waterloo, Ont. (1911)	10,864	2,286
WINDSOR	Windsor, Ont. (1857)	13,215	3,297
WINNIPEG	Winnipeg, Man. (1871)	4,305	4,945
YORK	Toronto, Ont. (1959)	40,299	9,197

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THE BOTTOM LINE

So, what does it really cost to go to university? Well, that depends on where you want to study. On average, tuition for the typical undergraduate program rose 111 per cent, in constant dollars, between 1990-1991 and 2004-2005. This year brought some relief: fees increased, on average, by 1.8 per cent—less than inflation and the smallest hike in more than a quarter century. Still, fees vary enormously across the country. Tuition in Nova Scotia, already the highest in Canada, rose a further 4.6 per cent. Neighbouring New Brunswick implemented the largest percentage increase, at 6.7 per cent, and P.E.I. came second, at 6.2 per cent.

Many provinces took the opposite tack. After three years of double-digit increases, British Columbia limited its fee increases to just 2.9 per cent. Meanwhile, debt-free Alberta announced a rebate on the annual tuition hikes, and Saskatchewan froze tuition. Fees also remained relatively steady in Manitoba, Ontario and Newfoundland, although students in the Prairie province were miffed when ancillary fees were boosted by a whopping 25 per cent.

And then there's Quebec, where fees have been frozen since 1994—at least for those who are residents of the province. And thanks to a series of international agreements with a wide variety of countries, students from such countries as Senegal, China and Morocco are eligible to get the same deal. No such luck for students from elsewhere in Canada: for them, tuition continues to rise.

All fees in the accompanying chart are for undergraduate arts and science programs as of September 2005. The names of several universities appear twice: Quebec institutions where out-of-province fees apply, and universities where there are different fees for arts programs and science programs.

Compulsory ancillary fees include student health-plan fees. If students are covered by another insurance plan, they can opt out of most health plans, which range in cost from $34 to $366.05.

	TUITION	COMPULSORY ANCILLARY FEES	TOTAL
Sherbrooke (Quebec students)	$1,668	$468	$2,136
Laval (Quebec students)	1,668	503	2,171
Montréal (Quebec students)	1,668	595	2,263
Bishop's (Quebec students)	1,668	915	2,583
Concordia (Quebec students)	1,668	1,174	2,842
McGill (Quebec students)	1,668	1,297	2,965
Memorial	2,550	465	3,015
Brandon (Arts)	2,730	345	3,075
Brandon (Science)	2,965	345	3,310
Winnipeg (Arts)	2,911	617	3,528
Manitoba	3,255	487	3,742
Winnipeg (Science)	3,335	617	3,952
St. Thomas	4,145	281	4,426
Laurentian	4,184	332	4,516
Ottawa	4,163	440	4,603
Waterloo	4,194	451	4,645
Lakehead	4,140	531	4,671
Carleton	4,152	539	4,691
UBC	4,092	613	4,705
Ryerson	4,184	527	4,711
Nipissing	3,950	795	4,745
Brock	4,184	563	4,747
UNBC	4,110	668	4,758
Lethbridge	4,000	767	4,767
Windsor	4,084	706	4,790
Simon Fraser	4,356	505	4,861
Saskatchewan (Arts)	4,416	448	4,864
Trent	4,184	706	4,890
Queen's	4,193	724	4,917
Wilfrid Laurier	4,184	738	4,922
McMaster	4,133	791	4,924
Victoria	4,325	608	4,933
Moncton	4,518	437	4,955
Saskatchewan (Science)	4,509	448	4,957
Regina (Arts)	4,551	412	4,963
Toronto	4,185	797	4,982
York	4,184	803	4,987
Montréal (out-of province students)	4,401	595	4,996
Western	4,140	863	5,003
Guelph	4,184	828	5,012
Alberta	4,537	498	5,035
Regina (Science)	4,689	412	5,101
Sherbrooke (out-of-province students)	4,651	468	5,119
Laval (out-of-province students)	4,651	503	5,154
Calgary	4,590	581	5,171
UPEI	4,620	584	5,204
New Brunswick	5,008	501	5,509
Bishop's (out-of-province students)	4,651	915	5,566
Cape Breton	5,450	273	5,723
Concordia (out-of-province students)	4,651	1,174	5,825
McGill (out-of-province students)	4,651	1,297	5,948
Mount Saint Vincent (Arts)	5,340	619	5,959
Saint Mary's (Arts)	5,370	672	6,042
Saint Mary's (Science)	5,470	672	6,142
Mount Saint Vincent (Science)	5,635	619	6,254
Mount Allison	6,100	241	6,341
Dalhousie (Arts)	5,820	690	6,510
St. Francis Xavier	5,975	586	6,561
Dalhousie (Science)	6,630	690	7,320
Acadia	7,760	356	8,116

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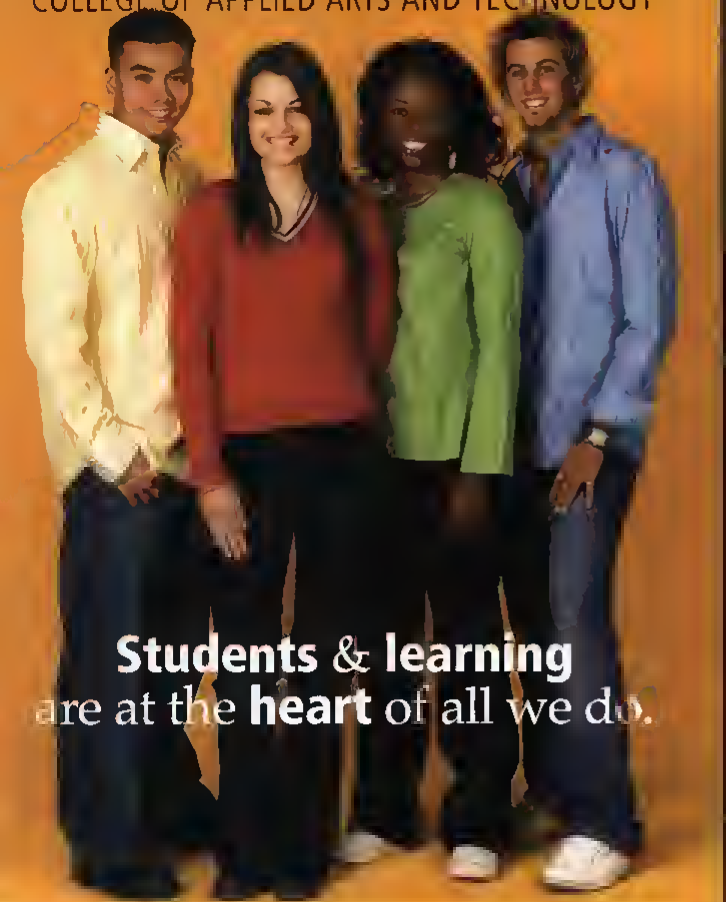
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HARVARD'S SECRET ANTI-GAY COURT

In 1920, America's top university tried to rid itself of homosexuals



(From left) Lester Wilcox, Lowell, Roberts three men who turned tragedy into a crisis

ON THE NIGHT of May 13, 1920, a Harvard student committed suicide in his family's home in Fall River, Mass., the town made famous 28 years before by Lizzie Borden. Cyril Wilcox had been sent home from the university because of poor grades, but he also had other troubles on his mind. The evening before he killed himself, Cyril confessed to his older brother, Lester, that he had recently ended a love affair with an older man in Boston. In the days after his death, Lester opened letters that arrived for Cyril—letters that placed his brother firmly inside a flourishing gay subculture at America's most prestigious university.

In an era when suicide and homosexuality were both family disgraces, many relatives would have burned the correspondence and done their best to bury all knowledge of the scandal. But as William Wright shows in *Harvard's Secret Garden*, a dramatic account of a powerful institution run amok, Lester was no ordinary bereaved brother. He was highly intelligent, violent-tempered and morally censorious—and just one of several remarkable individuals whose behaviour turned a family tragedy into a crisis, one that caused further suicides and affected the lives of others for decades to come.

Lester, convinced that Harvard's moral rot was the cause of his weak little brother's suicide, stormed off to see Cyril's ex-lover, thrashed him and extracted from him a list of every gay Harvard man he knew. Next stop: the university. There, Lester was gratified to find the authorities in complete agreement about the drastic measures necessary. Harvard struck a secret court, grilled 30 suspects on everything from their friends to their masturbation habits, drummed nine of them out of the university, and then—being Harvard—rather than destroying the 500 pages of trial transcript, stamped "secret" on the file and put it in the university archives, where it was found 82 years later.

Key to Harvard's over-the-top response was the second incandescent personality in Wright's story. Harvard president Lawrence Lowell was as blue-blooded as they come. The town of Lowell, Mass., is named after his great-great grand-uncle, the nearby town of Lawrence after his maternal grandfather. The distinguished astronomer Percival Lowell was his brother. Lawrence Lowell's imperiousness was legendary, and was shared by his staff—legend has it that an unexpected visitor to Lowell's office was told, "The *president* cannot see you; he is in Washington seeing *Mister* Coolidge."

When the Wilcox story reached him, Lowell was engaged, as he often was, in saving the world. He was a Republican *and* a supporter of the League of Nations, championed by U.S. Democratic President Woodrow Wilson but despised by his own party. In May 1920, Lowell was feverishly trying to square that circle when he abruptly abandoned high politics to harass a handful of gay men. It was Lowell who personally removed from university records the name of a young gay instructor, disappearing the man from Harvard history as effectively as Stalinist photo erasures later did in the Soviet Union. And it was Lowell who, in a separate homosexual scandal, gave the following advice to a long-serving professor who had thrown himself on the president's mercy: "If I were you, I would get a gun and destroy myself."

> **'MAYBE HE** spent all his gay compassion on his lesbian sister and had none left for his undergraduates'

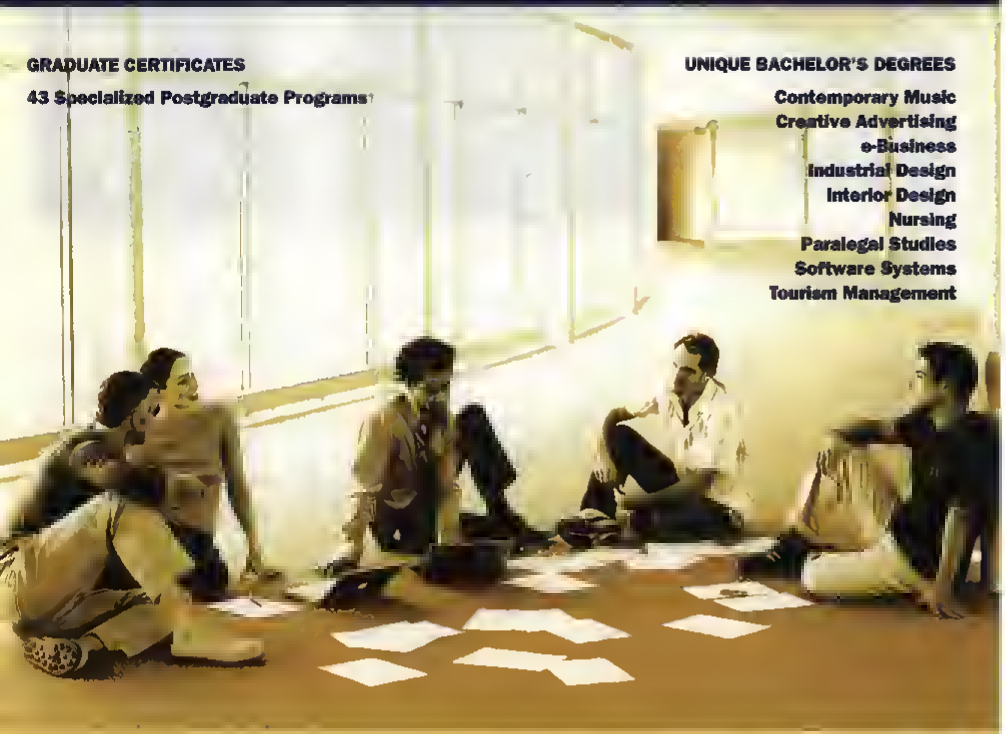
Author Wright moves easily through Lowell's patrician Ivy League world. Now 75 and gay himself, Wright graduated from Yale in 1952, during one of homosexuality's deep freeze periods. "I was so self-closeted at Yale that I would have fled any gay group that approached me," he told *Maclean's*. "But I knew they were there—very secret, more secret than 30 years earlier, but there." Wright still isn't sure why Lowell reacted the way he did. "Maybe he spent all his gay compassion on his sister and had none left for his undergraduates." Throughout his lifetime, in fact, Lawrence spoke with pride about his eccentric, fat, cigar-smoking lesbian sister, Amy, a talented poet whose fame today eclipses his own. Wright is less sure about what Lowell thought privately.

But displaced homophobia is only part of Wright's explanation of the secret court's ruthlessness. Enter remarkable personality No. 3: Ernest Roberts, one of the correspondents whose letters to Cyril Wilcox precipitated the crisis, was the son of a powerful Boston politician. He was also openly, even flamboyantly, gay, to an astonishing extent for his time. Roberts's very existence was an affront to Lowell and his court, what they learned of his parties—attended not just by Harvard men but town boys in drag, and sailors—enraged them.

Throughout its proceedings the court vacillated between agreeing with the most enlightened opinion of the day, that homosexuality was innate—albeit an innate pathology—and with the notion that it was a moral

COURTESY OF RICHARD WILCOX. FROM HIS PERSONAL COLLECTION. COURTESY OF HARVARD UNIVERSITY PORTRAIT COLLECTION, H957. COURTESY OF HARVARD UNIVERSITY ARCH VES, HUD 3222.26

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contagion The academics were bitterly hostile to Roberts but contemptuous of the two or three essentially straight men caught up in their sweep, 20-year olds guilty of nothing more than a few fumbling encounters with gay roommates in Harvard's women less world All were expelled Roberts because he further angered the court with his candidly insolent accounts of gay sex, the heterosexuals because they foolishly appealed to the court's mercy Yet one of the gay men, Stanley Gilkey, who went on to the welcoming world of Broadway theatre, knew already the hypocrisy demanded of him by straight society He boldly lied his way through his trial, evading expulsion

What really distinguishes the secret court in the annals of his country's hypocrisy and homophobia, Wright says, is its vindictiveness When Eugene Cummings, whose family had struggled to finance his five years at Harvard, was expelled just days before completing his degree in dentistry, he immediately killed himself Undeterred by that tragedy, the court carried on with its moral cleansing For decades afterwards, prospective employers curious about the applicants' time at Harvard were given the full dirt Many of those expelled, Wright reports, never found fulfilling work, something he believes contributed to two later suicides

Harvard is a very different place now, dedicated to human rights and home to a flourishing, above-ground gay and lesbian community Its current president, Lawrence Summers, who—after making some controversial remarks earlier this year about women and science—can testify to the political power wielded by the university's minority groups, told Wright he looks on the secret court as a cautionary tale "I ask myself repeatedly, 'Are we administrators doing anything now that will look bad in 80 years?'" But Wright isn't so sure the bad old days are gone forever Sometime in 2005, he notes, after research for his book was finished, all references to the secret court were mysteriously erased from the university archives' online catalogues M

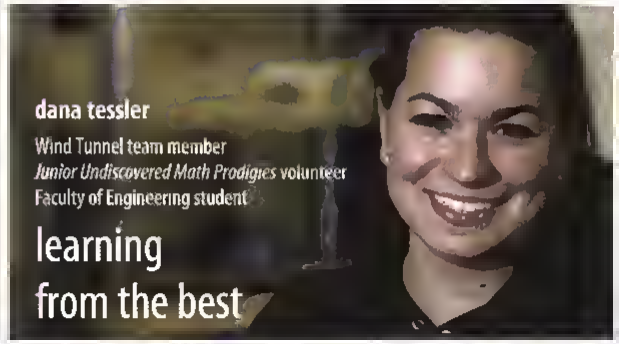


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Hooked on Klingon

From *Sex in the City* to polar tourism, quirky courses are filling up today's university curricula

WHEN ERICA NEWTON goes to school, she camps out for a week at a time. Notes are optional, there are no exams, and her professors are constantly changing. So is her classroom, for that matter: sometimes it's amid treed bogs, other times it's on an island. "The fact is," she declares, "every day we look at each other and say, 'I can't believe we're getting credits for this.' "

Newton, a third year biology student at Acadia University in Wolfville, N.S., is taking a brand-new kind of course, the Block Program. Essentially, it's five subjects rolled into one. For 2½ weeks at a time, students focus intensively on one particular area, such as biodiversity, flora of Nova Scotia or advanced ecology, by experiencing it firsthand for eight hours a day. "Getting to see what we read about in books is the most amazing way to learn," says Newton.

Where there used to be dusty texts, petri dishes and frogs in formaldehyde, there are now courses like the ones Newton is taking, created to get students excited about education. Alongside Acadia's woodsy offerings are others such as Lawn Management and Maintenance at Laval University in Quebec City, Winter Outdoor Pursuits at the Sir Wilfred Grenfell College campus of Memorial University in St. John's, Nfld., and Polar Tourism at Lakehead University in Thunder Bay, Ont.

> **'IF YOU** deliver a lecture from a podium, there can't be anything more boring. People learn things best when they're interactive.'

And the off-beat courses aren't restricted to nature and science. Across the country, some of the most serious-minded universities are offering courses on the psychoanalytic significance of HBO television shows, or steamy sex scenes from the Bible. "The university is the ideal place to explore all kinds of ideas," notes David Robinson, associate executive director of the Canadian Association of University Teachers (CAUT). "These courses might seem quirky or odd, but really the kinds of questions they're asking are fundamental questions, and give students a wide breadth of opportunity to learn."

ON HALLOWEEN, linguistics students at the University of Regina and the affiliated First Nations University of Canada had a guest lecturer to their class, though the speaker's identity wasn't revealed until they took their seats. That's when Prof. Brent Galloway showed up in a costume few would have expected: Worf from *Star Trek*. In a red unitard and polished black boots, he lectured on Klingon—the warrior language created for the television show—as part of his semantics, phonetics and phonology courses. "If you deliver a lecture from a podium, there can't be anything more boring," he says. "People retain things best when they are interactive and visual. It goes into long-term memory." By going through the Klingon dictionary and learning its sounds, he says, students are better able to understand and enunciate other tongues. "Learning should be fun," adds Galloway.



Galloway lectures on Klingon syntax: piquing interest in higher learning or just being silly?

For those whose idea of fun follows more strict criteria, there's a slew of courses driven by the cinema, including the Films of Marlon Brando and the Gangster Film Genre at Bishop's University in Lennoxville, Que. Contemplative film buffs might even opt for Fascism in Movies at Laval, or Beautiful Minds at the University of Guelph, which examines the theories of the Nobel Prize-winning mathematician John Nash (whose story was made into an Oscar-winning film).

One intriguing course comes from the small screen: *Sex and the City* on the Psychoanalyst's Couch. Though actually part of the continuing education program at the University of Alberta, it's so popular even undergrads take it. "This is an important show about women's identity," says Nicholas John, who teaches it, "in particular, the problem of balancing identity and intimacy. The show describes the difference between healthy and unhealthy compromises." John believes that *Sex and the City* forces viewers to evaluate themselves, much in the same way psychoanalysis does. And therein lies the success of the course: by using the series as a way into psychoanalytic perspectives, students can better grasp the subject.

Sex headlines other courses as well. Dalhousie in Halifax has Topics in the History of Sexuality. At Montreal's McGill University, there's the History of Sexuality in Japan, and British Queer History. In Toronto, Ryerson University offers Men and Masculinities of the 21st Century, which examines male power and gender roles, while York looks at women's historical place in Bad Girls of the Bible. Because sexuality, morality and entertainment are common topics off-campus, when they're brought into class discussions, they pique interest and create dialogue. "One important thing is to speak to students about what matters to them," says Galloway. "If it's something that engages them, it makes it more relevant."

That explains the popularity of timely courses such as Anatomy of a Scandal. The Gomery Inquiry, or Blogs: Art, Democracy, Privacy and the Public Good (both at Guelph). Similarly, the Science of Storms (McGill) and the Drug Wars and Cultures in 20th Century North America (Queen's) strike students as relevant learning opportunities. "Because these are unusual courses, students are attracted to them," says Michael

PHOTOGRAPH BY TROY FLEECE (ABOVE); SCOTT HENN GAB (FOLLOW ME PAGE)





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Backwoods education: Acadia University students learning in the outdoors

Newton (no relation to Erica), a professor of religious studies at Sir Wilfred Grenfell. He teaches University 1010, which helps students adjust to the post-secondary academic environment. "Students don't come to university with a lot of cultural literacy," explains Newton. "But they do know Marlon Brando or *Sex and the City*. So we use that as a springboard. We're letting students say, 'This is my education, I'm going to do it my way.'"

While that may work for students in undergraduate arts or social sciences programs, Tim Bressmann, a professor of speech-language pathology at the University of Toronto, isn't certain it fits all academic paths. "Our students pay a hefty tuition fee so we can turn them into speech pathologists within two years. There's just not as much time to stop by the wayside and smell the roses."

It's a point that Robinson of the CAUT has heard before. "The tendency is to say, 'Why are we studying these things? Is it relevant to the economies and our times?' Even though the classic English novel is today considered a mainstay of academia, it was originally a popular culture item. Back in time what might have seemed irrelevant was in fact not. The university has to be a place to explore things that at first blush might seem irrelevant but prove to be very worthwhile."

For student Erica Newton, the real issue is how much students are engaged. "Some people do well in sit-down, take-notes settings, but some people just don't." And of her Block Program, she's emphatic—"It would benefit a lot of people to learn this way." M

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OLD MAN AND THE TEE

Gair MacInnis is the oldest guy currently playing Canadian university football

GAIR MACINNIS, Acadia University's rookie place-kicker, admits he's not a big fan of the hip-hop music that blasts from the locker-room speakers on game day. "I'm a child of the metal days," says MacInnis, who grew up on Motley Crüe and Iron Maiden, back when many of his fellow Axemen were still in diapers. MacInnis, nicknamed "Old Man," is 34 years old—the oldest guy currently playing Canadian university football and one of the oldest rookies in league history. Before cracking Acadia's starting roster this fall, MacInnis, a master's student in recreation management at the Wolfville, N.S., school, had never played organized football. "I've played soccer all my life," says the veteran rugby player. "So there was never a question of whether I had enough leg."



He did, however, suffer rookie jitters during the season opener against the Saint Mary's Huskies—incorrectly lining up his first career field-goal attempt. His performance since has noticeably improved. During the regular season, MacInnis nailed 11 of 18 field-goal attempts (his longest was a 36-yarder) and was perfect in all 31 extra-point tries—making him the Atlantic conference's most prolific scorer, with 64 points. His powerful right foot—size 10½—is one of the reasons Acadia finished first in its division at 5-3, securing home-field advantage for the conference championship game on Nov. 12.



MacInnis doesn't try to keep up at the pub. But 'I sometimes give the guys a lift home afterwards.'

Much like his introduction to football, MacInnis's post-secondary education also started later in life—he enrolled as an engineering student at the University of Prince Edward Island when he was 29. "That lasted about three math classes," he laughs. "After that, I switched to English and then to psychology before transferring to Acadia in second year."

Before university, MacInnis had a number of different jobs. He worked on the Confederation Bridge between P.E.I. and New Brunswick and later moved to Alberta to work in the oil fields. In 1999, he was a high-rise window cleaner in Calgary prior to heading back east for school. MacInnis had always wanted to play football, but his high school in Charlottetown didn't have a team and as an undergrad he had too many other commitments to afford the time. His graduate schedule proved more flexible.

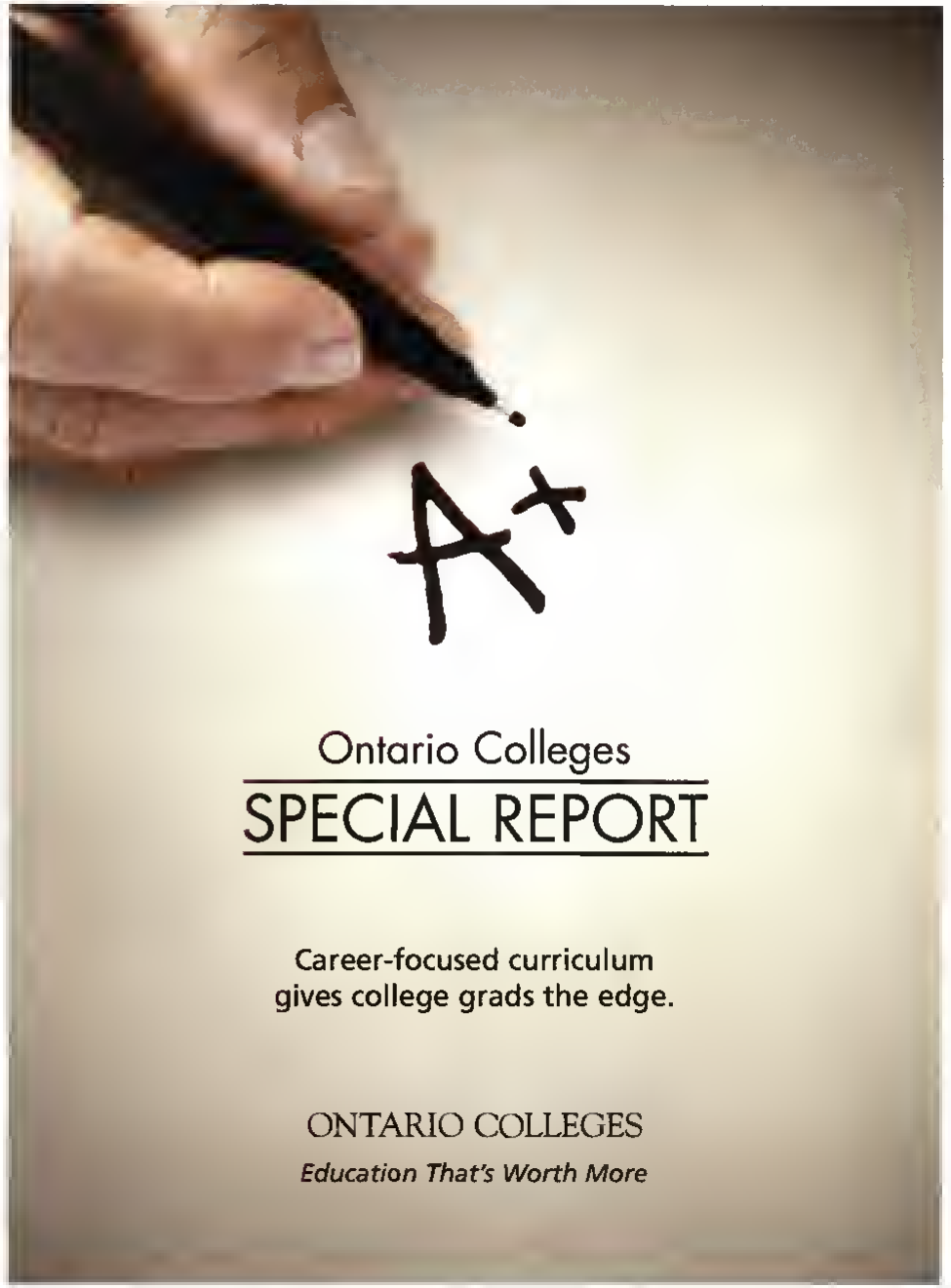
Having maintained his conditioning over the years, MacInnis didn't think keeping up with the younger guys would be all that tough. But the repetition of kicking took its toll. "Little things are starting to wear out," he says. "Every week there was something—first my hamstring, then my groin, then my knee. There were a lot of muscles I hadn't used in a long while." But as the season wore on, most of the pain faded. His teammates claim he has special powers. "They call it old-man strength," says MacInnis, who stands six-foot-one and tips the scales at a linebacker like 234 lb. "You know when you're a kid and you think that your dad is the strongest man in the world—the idea that older guys are naturally strong."

A married man with a mortgage, he's certainly mature enough to know his limits off the field (meaning the pub). "I don't even try to keep up," says MacInnis. "I usually drive, so I just hang out at the bar after games for a little bit and sometimes give the guys a lift home afterwards."

For MacInnis, it's just part of being one of the boys. During training camp, he proved himself a good sport and active participant in the team's rookie show. "Gair is probably our best singer," says Shad McLachlan, 24, a fifth-year linebacker. "When another rookie struggled with a song, Gair was always the first to jump in, usually with his guitar, and bail him out." In October—Acadia's rookie moustache month—MacInnis went all out, trimming the facial hair around his mouth and neck to resemble end-zone uprights. And what did his wife think? "She just said, 'It's your face and you're the one that has to walk around with it.'"

When he's not piling Axemen into his green 2003 Honda Civic, working on his thesis (leisure education in the prison system), renovating the home he and his wife bought in August or playing football, MacInnis works as a teacher's assistant. "It's great," he says. "I've been able to tell some of my teammates, 'Listen boys, you can't be hard on me this week—I have your paper to grade.'"

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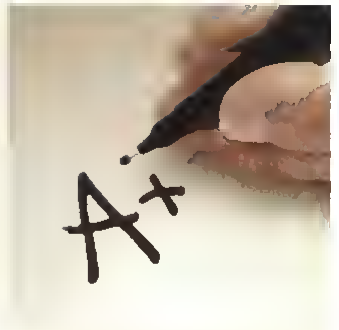
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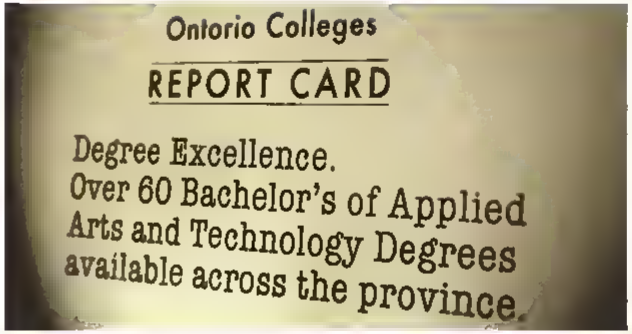
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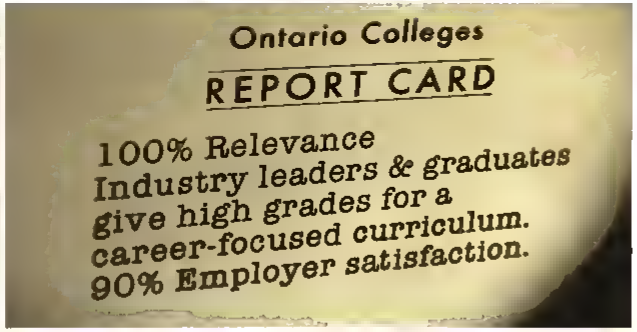
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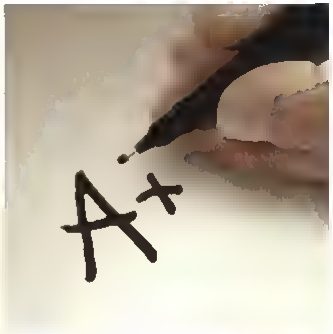
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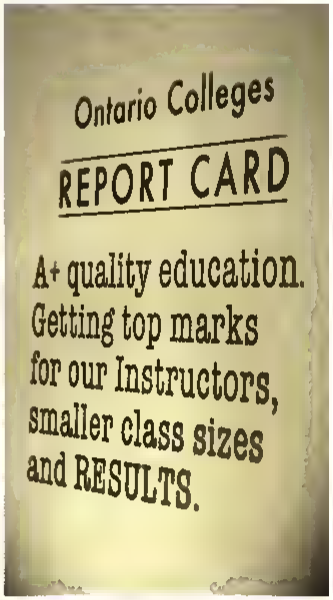
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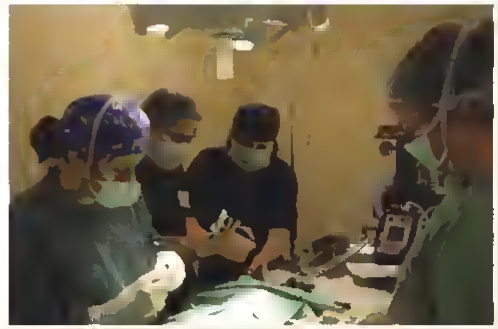
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IT'S NOT OVER YET

The Gomery report sets the stage for new battles on three fronts

JUSTICE JOHN GOMERY'S fact-finding report into the sponsorship mess is a hefty piece of work—686 pages in its main volume, plus two little sidecar books if that's not enough—but it's definitely a page-turner. A tale of "greed, venality and misconduct" featuring big money, shady characters and furtive meetings in an atmosphere of national crisis. Ottawa, not normally a literary town, was all agog when the tome landed, with a considerable thud, on Nov. 1.

Now come the reviews. Some commentators feel the author has tied things up a bit too neatly. If Jean Chrétien and his trusty henchman, Jean Pelletier, deserve to be "blamed for omissions" in managing the sponsorship program, why was a Liberal of almost equal stature at the time—Paul Martin—"exonerated from any blame for carelessness or misconduct"?

One reviewer, *La Presse* columnist Lysiane Gagnon, found "suspicious zeal" in Gomery's eagerness to deliver Martin from any blame.

MARTIN has reopened old rifts between his supporters and Chrétien nostalgists. The uneasy peace is over.

Jean Chrétien, with lawyer David Scott, said Gomery chose to 'misrepresent evidence'

Another, the *National Post*'s Don Martin, found "a curious pattern of selective believability" in Gomery's findings against Chrétien. If Gomery found one of the shadiest figures in the scandal, the retired bureaucrat Chuck Guité, to be "a man without scruples" who "simply has no credibility" in most of his testimony, why was Gomery so eager to believe Guité whenever it made Pelletier and Chrétien look bad?

The Adscam affair and Paul Martin's response has always woven three rich dramatic threads together: electoral politics, Liberal family feuds, and the administration of taxpay-

PHOTOGRAPH BY PETER BREGG/MACLEAN'S

er dollars Gomery's report hasn't brought any of those stories to an end Indeed, each will take on new significance

First, electoral politics That's why everyone was watching Jack Layton last week, even though the NDP leader wasn't even a bit player in the Gomery revelations NDP support in Parliament is the closest thing the Liberals have to a guarantee of survival through the winter For much of last week, Layton seemed unsure about whether the Liberals were still worth supporting By the end of the week, he seemed willing to stick with Martin in return for measures to limit private-sector health care delivery

Whenever the election does come, the campaign will be very much about Gomery's report Will it remind Canadians of the swamp of ugliness at the heart of the Chrétien-era Liberal party's Quebec wing, and hurt or destroy Martin's re-election chances? Or does exoneration, however hasty, give the Martin Liberals the fresh start they have so cruelly lacked until now?

The second drama is almost a family affair For the third time since Martin left Chrétien's cabinet in 2002, the Liberal party is teetering on the brink of civil war

By moving swiftly to put as much distance between his government and this scandal as he could, Martin has reopened old rifts between his supporters and Chrétien nostalgists Ten people named in the Gomery report were informed they were banned for life from the Liberal party—even though only three were actually members at the beginning of the week The Quebec wing of the party wasn't informed of the decision And nobody could be entirely sure Martin even has the power to issue lifetime bans Martin sent the report to the RCMP to feed their continuing investigation into the sponsorship scandal. The party itself cut a cheque for $1.14 million, the amount (hotly contested by opposition parties) it says it was improperly paid in kickbacks in the late 1990s by nouveau riche admen eager to keep the money taps flowing

Only hours after those measures were announced, Chrétien stormed into the National Press Theatre and announced he will try to have the report quashed in federal court. Gomery "reached conclusions that are, in no way, based on the evidence before him," Chrétien complained. "He chose to ignore or misrepresent the clear evidence." Still smarting from Martin's efforts to distance himself from a government in which, after all, he served as finance minister, Chrétien proceeded to mock Martin's Quebec lieutenant, the Liberal-turned-Bloc-Québécois-founder-turned-Liberal Jean Lapierre With that, the uneasy peace between the current and former leader of Canada's governing party evaporated once again



Justice John Gomery: his report was 686 pages of 'greed, venality and misconduct'

The third subplot in the post-Gomery drama will receive far less attention. But it may actually have more impact on the way Canadians are governed Senior federal bureaucrats say that already, with Gomery's final recommendations still ahead, attempts to clamp down on abuse are limiting the government's power to act, even when it should

SCANDAL clogs up government, with no guarantee fraudsters won't dance around even the tightest rules

"You can't rule-make character," one deputy minister said, speaking on condition of anonymity. But since the commotion over a damning audit of Human Resources grants and contributions in 2000, this official said, wave after wave of scared Liberal ministers have implemented a system of "10 murders for one actor."

After the Human Resources uproar, the government hired 600 new auditors. There's been a boom of private-sector consultants who can help departments draw up results-based management accountability frameworks These are arcane mechanisms for making sure tax dollars don't go astray, "but which nobody actually understands," one mid-level civil servant said "It's just something you have to do."

It all tends to clog up the government's action—without any guarantee that ambitious fraudsters won't dance around even the tightest rules. "Do you think government should be doing more to put emergency-preparedness plans in place? You'd think that would make a lot of sense," the mid-level bureaucrat said. "But how much time do you think the people who are supposed to do that are spending with Treasury Board justifying every dollar they spend? How many salary dollars does that cost, for every dollar they actually spend on the problem?"

One person who worries that the sponsorship scandal has unfairly tainted the system is, in fact, John Gomery "The dramatic revelations at public inquiries and the media attention given to them tend to distort reality and to make the misconduct that the inquiry uncovers appear to be more widespread than it really was," he wrote in his report. "I fear that has occurred in this case." In a report that everyone seemed to have read, it was a passage almost nobody seemed to notice.

PHOTOGRAPH BY PETER BREGG/MACLEAN'S

What should you be watching out for this



Find out more on page 139 in this issue of Maclean's



ADBUSTERS

The Gomery inquiry's revelations rocked Quebec's advertising industry

THEY WERE LIKE firefighters watching the station house burn down—with the hoses inside. Advertising, communications and marketing agencies are the experts that people turn to when the you-know-what hits the fan, and they need to control damage, put a fresh spin on things, or splash a coat of shellac on a tarnished brand. But Quebec advertisers had no one but themselves to turn to when revelations of mismanagement, graft and generalized quaffing at the public trough, some of it by Quebec advertising firms, started flying at the Gomery commission. "There was a high level of frustration and panic in the industry, especially last spring," Yves Dupre, a communications expert, told *Maclean's*. "But, frankly, what could they do?"

What the business did, in the end, was to follow the one piece of advice most of its high paying customers hate to hear when they're in a bind: hunker down, and wait out the storm. "If we'd undertaken to correct every misconception and misleading bit of information about our business at the time, we'd have held six or seven press conferences every day," Yves St-Amant, an industry spokesman, says. "And no one would have listened anyway—the press had smelled blood, and everything was fair game to them." The Gomery inquiry hurt the whole advertising industry because "we had not previously immunized ourselves against such allegations of wrongdoing," one senior advertising executive said privately. "The media were confusing everything, commissions and kickbacks, creative work and media placement, sponsorship and flag-waving. Genuine, established businesses were lumped with two-bit rackets also calling themselves ad agencies. It was a mess."

Now, with Justice John Gomery's first report on the record, and all eyes turned back



Montreal admen Paul Coffin (left) and Jean Brault: a bigger threat is globalization

CLOCKWISE FROM TOP LEFT: PAUL CHIASSON/CP; RYAN REMIORZ/CP; RYAN REMIORZ/CP



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The Algonquin College Equation for Success

Leadership + Partnership + Innovation = Excellence

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Algonquin College follows this simple and effective formula to achieve excellence. The third-largest college in the province, with campuses in the Nation's Capital and Ottawa Valley, Algonquin serves approximately 15,000 full-time students and 40,000 part-time registrations. The career and learning aspirations of students inspire and inform the College's focus on leadership, partnership and innovation. This focus has enabled Algonquin to lead all Ontario colleges in the services provided to its students in the annual province-wide Key Performance Indicator (KPI) survey.

Leadership

Algonquin demonstrates a singular capacity for leadership by providing a full range of learning opportunities. The unique attributes of both the Perth and Pembroke Campuses provide environments in which to offer Algonquin's niche market programs such as Pembroke's Outdoor Adventure programs and Perth's Heritage Carpentry and Masonry programs. The College continually designs and delivers new programs to meet emerging needs, such as the new Game Development and Apparel Design and Technology programs. New degree programs include the Bachelor of Applied Arts - Interior Design and the Bachelor of Applied Technology - Photonics. In 2005, the first graduates of a collaborative program with the University of Ottawa completed degrees in nursing.

Partnership

To remain abreast of emerging trends, Algonquin works in partnership with a multitude of business, community and student groups across Canada and around the world. Thanks to a recent collaboration with the Ottawa Centre for Research and Innovation, entrepreneurs can now access a range of valuable business services at Algonquin. Partnerships with companies such as Nortel and IBM have led to donations of new equipment, most recently to outfit a new optophotonics lab. Collaboration with government partners has secured funding for specialized training and apprenticeship programs, and by participating in projects based in China, Japan, Poland, India and other countries, Algonquin attracts new international partners.

Innovation

Innovation is crucial to Algonquin's success, the College continually develops and integrates new technologies that benefit the communities we serve. This year, Algonquin opened Phase II of its Simulation Centre for Health Studies. This $15 million state-of-the-art facility is the first fully equipped Operating Room Suite and Critical Care/Trauma Unit in an educational facility in Canada. The facility allows Algonquin College faculty to recreate clinical environments, providing opportunity for inter-professional practice, such as Nurses, Physicians, Respiratory Therapists and Paramedics. The College has also opened the newly renovated Computer Assisted Manufacturing (CAM) Lab and the Industrial Electricity Lab, two more examples of Algonquin College's leading-edge learning environments.

Excellence

The College's commitment to excellence is nurtured and exemplified by its employees. Algonquin staff, students and programs received a steady stream of awards, citations and accolades. The efforts of staff were acknowledged by the United Way, Y Women of Distinction, Ontario Trillium Awards and the Lt. Governor of Ontario; Algonquin programs were cited by Heritage Canada Foundation, Canada Blooms and the Ontario Hostelry Institute. In addition, students have won top honours in provincial nursing-accreditation examinations, took three first prizes in the Ontario Community Newspaper Association's annual competition, and placed first among all paramedic graduates in the province. It was also the second year in a row for the College's Perth Campus' Job Connect Office to be awarded the Minister's Award for Excellence in Service Results.

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toward politicians again, the dust is settling. The Quebec advertising industry remains a $370-million-a-year business, and although the damage was real, it was mostly peripheral, according to St-Amant. "Our core asset is the trust of our key clients, and I think that was protected, because professionals know professionals," he notes. "Besides, it's now apparent the problems were not with the industry so much as upstream, with the client."

The peripheral damage, he adds, "is what I call the brother-in-law factor: the smirks, the raised eyebrows, the clearing of throats when it is revealed that you work in an advertising agency." That, and alleged Quebec-bashing by hard-nosed rivals in Toronto, according to Jean-Jacques Strelisky, a communications expert in Montreal. "It's a tough world out there, and if the scandal can give you an edge, and help you get a bigger share of the pie, you'll use it, and it's been done."



An employment service has fun with the scandal in a fake help-wanted advertisement

Of all the agencies singled out for wrongdoing by the Gomery inquiry, only Groupaction and Groupe Everest were full-fledged, diversified advertising agencies. "The others were niche outfits nobody had heard of before," said Marie-Claude Ducas, a senior editor at *Info-presse*, a trade magazine published in Montreal.

All have folded, were sold, or have become little more than empty shells. "It has been a personal drama for several honest professionals who lost their livelihood almost overnight," St-Amant says. "Some of them had to fiddle with their resumés to fudge periods spent working for the tainted agencies."

Quebec's advertising industry is facing other problems as well. Back in the '70s, local agencies were way out there with folksingers and writers on the vanguard, forging a new, modern identity for Quebec. That role has changed. "The biggest threat to local advertising today does not flow from the sponsorship scandal, but from increasing foreign ownership and globalization," Strelisky says. "Very often nowadays we are back to translating and adapting national or global campaigns into Quebec French, exactly what we fought against in the '70s. That's the big setback." And if advertisers are not cultural folk heroes anymore, it makes it difficult to attract bright, new talent, observers say. "Sure, the Gomery inquiry gave a bad image to the industry, but that image was quite bad already," says Ducas. "Advertisers, like politicians and journalists, are at the bottom of the popularity list."

"SURE, the Gomery inquiry gave a bad image to the industry, but that image was quite bad already

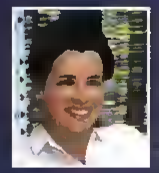
Meanwhile, the fallout from Gomery has extended to cultural events and festivals in Quebec. Up until two years ago, Ottawa and Quebec City were fighting it out for the title of biggest advertising spender in the province—"a thinly disguised war of flagism," says industry watcher Emmanuelle Garnaud. But after the scandal erupted, the Martin government cancelled all sponsorship programs and tightened advertising budgets (last year, Ottawa ranked as only the seventh biggest advertiser in Quebec, its spending down to roughly $25 million from $29 million the previous year).

"The problem was not with the sponsorship program, it was with the management of it, but it's the legitimate sponsored events that paid the price and had to scramble," says Luc Fournier, a spokesman for the Canadian Festivals Coalition. "Quebec has developed world-leading expertise in holding major cultural and sports events and using them as an engine driving the tourism industry. The scandal has thrown a wrench into this well-oiled and legitimate business. So, don't ask me what I think of the crooks who killed the milk cow."

PAUL CHIASSON/CP

THE MAP OF HUMAN GENETIC VARIATIONS IS NOW COMPLETE

TWO CANADIAN RESEARCHERS PLAY A KEY ROLE IN GROUNDBREAKING SCIENTIFIC ACCOMPLISHMENT


Bartha Knoppers


Thomas Hudson

A giant step has just been taken in understanding common illnesses such as asthma, diabetes, cancer and heart disease. The International consortium Hap Map has just completed the identification of 3.8 million of the most frequent human genetic variations. Thanks to this colossal work, new methods of prevention, diagnosis and treatment could soon be developed.

Genome Canada and Genome Québec congratulate **Thomas Hudson** of the McGill University and Génome Québec Innovation Centre and **Bartha Knoppers** from Université de Montréal, as well as their respective teams for their contribution to this invaluable global scientific breakthrough. Dr Hudson, who was one of the originators of the Hap Map concept, led the group of Canadian researchers who analyzed chromosomes 2 and 4p of the genome, work that produced 10% of the data in this large-scale project. Mrs. Knoppers, Ph.D., co-chaired the International ethics team and led the discussions on the subject as part of the project.

The Government of Canada, through Genome Canada, and the Government of Quebec, through Génome Québec, were the first in the world to approve and fund this project. Thanks to targeted investments, Canada is now an international leader in the field of genomics research and helps our researchers make discoveries with a global impact.

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WHY OUR SCANDAL IS WORSE

'Scootergate' is about one man's lies. Sponsorship is about so much more.

READ JUST THE HEADLINES, and the scandals on either side of the 49th parallel look pretty much the same. They have a special prosecutor, we have a public inquiry. They have straight-arrow U.S. attorney Patrick Fitzgerald, we have dour Mr. Justice John Gomery. Their investigation lasted two years; ours lasted nine months. Theirs reached to the highest levels of government, and resulted in an indictment against the vice-president's chief of staff. Ours reached the highest levels, and resulted in findings of responsibility against a number of senior government and Liberal party officials—among them, the former prime minister and his chief of staff. Their scandal is about excess in the name of national security. Ours is about malfeasance in the name of national unity.

But look a bit closer. Their scandal has lots of media bark, but not much bite. Like Bill Clinton's Lewinskygate before it, the crime is hard to fathom, and once fathomed, a challenge to get passionately upset about. Our scandal is the opposite: true, the details are hard to follow, but once you get a sense of the big picture, it's difficult to make too much of judge Gomery's findings. What he uncovered goes to the heart of how a democracy operates. Not all scandals are created equal. Ours is, unfortunately, bigger.

The U.S. investigation looked into the leaking of the name of a CIA agent, Valerie Plame, allegedly to discredit her husband, administration critic Joseph Wilson. The special prosecutor's job was to find out whether anyone in government passed her name to reporters, and, if so, whether that was a crime. Special prosecutor Fitzgerald's conclusion so far: yes, administration officials mentioned her name to journalists, no, it wasn't a crime.

The only thing the vice-president's chief of staff, I. Lewis (Scooter) Libby, has been charged with is making inconsistent statements to investigators during the course of interviews and grand jury appearances. If a court finds that the allegations are true, he may end up going to jail. No one should cry any tears over that: you can't lie to the police and you can't lie in court.

But let's put things in perspective. You may think the Bush administration started the Iraq war on false pretenses and exaggerated evidence of Saddam Hussein's weapons of mass destruction and are, generally speaking, a bunch of reckless cowboy imperialists. Lots of Canadians believe that. So do many Europeans. So does something close to half of the American electorate. But that's not what Fitzgerald was investigating.



Chuck Guite (left) and Lewis (Scooter) Libby: one lied, one ran a scheme that exposed rot at the heart of a democracy

"This indictment is not about the war," said the special prosecutor two weeks ago, when he charged Libby. "This is simply an indictment that says, in a national security investigation about the compromise of a CIA officer's identity that may have taken place in the context of a very heated debate over the war, whether some person—a person, Mr. Libby—lied or not."

Starting the Iraq war may have been a really, really bad idea. Maybe it's a scandal—but it's not a criminal scandal. It's a policy question. And it remains in the realm of politics, for voters to decide.

Like Lewinskygate before it—Bill Clinton's presidency was destroyed by allegations that he had legal and consensual sex with a woman who was not his wife, and then lied about it when a plaintiff was allowed to go on a fishing expedition in an unrelated civil suit—it's hard to claim that a great rot at the heart of government has been exposed by Scootergate. It's worse than David Dingwall's expense account, but not by much.

And now, say hello to our sponsorship scandal. How serious is it? It reveals a Canadian democracy that has been bought and sold by those in power. Senior government and Liberal party officials used public funds, false contracts and kickback schemes not only for personal gain, which would have been bad enough, but to funnel money to the Liberal party, to perpetuate their access to the public purse.

The line between government and party was erased. And with it, so was the distinction between government and organized crime. Electoral financing was done under the table, with government contracts effectively sold in return for donations to the party. It was all very banana republic: a government, or at least one part of it, creating secret accommodations to circumvent its own laws. And if it weren't for one nosy auditor general, and the ascendancy of Paul Martin over longtime rival Jean Chrétien at the moment the auditor general's report came out, would there even have been a Gomery inquiry? Would we know any of this?

Recent history suggests not. In 1998, Pierre Corbeil, a long-time Liberal organizer, quietly pleaded guilty to four counts of influence-peddling. He had solicited contributions to the party in exchange for federal job-creation grants. Corbeil had responsibility for several ridings, including Chrétien's. And what did the inquiry into the role of his bosses in the affair reveal? There hasn't been one. Ditto for Shawinigate.

"Houston, we have a problem?" Try Ottawa. M

PAUL CHIASSON/CP (LEFT); HARAZ N. GHANBARI/AP

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LET THE PARTIES BEGIN

Why partisan politics would be good for cities

AS MIGHT BE EXPECTED for a mayor in office nine years, Surrey, B.C.'s Doug McCallum has a long track record and a face familiar to voters. But McCallum has a few things most other mayors in the rest of Canada do not—such as a party machine behind him, a platform he can promise to implement, and an opposition united against him.

When B.C. voters go to the polls on Nov. 19 for their municipal elections, their ballots will list the names and party affiliations of the candidates. McCallum heads the Surrey Electors Team (SET), running on a pro-business, tough-on-crime platform. His main opposition is the Surrey Civic Coalition (SCC), which rails against his "money first vision." Political parties at the local level are unique to B.C. and Quebec, which is also holding its municipal elections this month. And while it's commonly held that municipal politics is better off for avoiding the bitter partisanship that parties entail, more cities would do well to follow the example of those two provinces.



Toronto's Miller: scandals raise questions about the maturity of municipal politics

Parties at all levels of government promote political agendas and bring people together who share common beliefs. "In a municipal election, the public doesn't really know who you are," says McCallum. A party affiliation means that voters who like his message can vote for the full slate of SET candidates. Others can vote SCC. "Slates of candidates with parties behind them help the public know what you stand for," he adds.

Kennedy Stewart, a professor of public policy at Simon Fraser University, says the experience in B.C. and Quebec shows that party participation at the local level improves the quality of political debate. "With parties, politicians tend to be proactive and the issues are clearer: do you want to hire more police officers or build social housing? In cities without parties, you get a different kind of politics. Politicians generally run on platforms that say: 'I'm a great person,' and once they get into city hall they are much more reactive and staff driven." There is also some evidence that parties, because they focus more resources on campaigning, increase voter turnout.

Most objections have to do with a desire to keep municipal politics collegial and non-partisan. John Laschinger is the dean of Canadian campaign managers, with 42 elections under his belt, including Toronto Mayor David Miller's impressive come-from-behind victory in 2003. His stock in trade is partisanship, yet he feels uneasy about parties in municipal elections. "I think you need a coalition of interests to succeed at the local level," he says. "On the Miller campaign, we had union organizers as well as Conservative and Liberal political organizers working together. You wouldn't be able to do that if the candidate was running under the flag of a certain political party."

Laschinger, who typically works for Tory candidates, likes the status quo. "Municipal politics really is local," he says. "It's about speed bumps and that new development on your street. People want to know someone is going to fight for their neighbourhood, and I'm not sure you get that with parties." But his point, that a system without parties encourages a parochial approach to municipal politics, is the exact complaint raised by critics of the current system.

With big cities across the country demanding greater powers to tax and regulate, as well as receiving $5 billion in federal gas-tax money over the next five years, greater attention is being focused on how well cities govern themselves. In Toronto, for instance, scandals concerning computer leases and hiring practices have shaken confidence that city hall is mature enough to handle all these new responsibilities.

The Toronto Board of Trade, representing the major business interests in Canada's largest city, is frustrated that Ontario mayors have little ability to set city strategy or deliver on campaign promises, since they represent just one vote among many around the council table. Over the summer, the board proposed that Toronto's mayor be given greater powers to control city hall. This could then lead to the emergence of parties, since political organizations tend to consolidate around power. "One advantage of political parties is that they promote a focus on accountability," admits Bob Hutchison, chairman of the board's executive directors.

If the benefits of greater accountability, more informed voters and better policies outweigh a loss of innocence at city hall, how can other provinces encourage the development of civic parties? Stewart suggests it may be as simple as amending one line of provincial law. B.C. and Quebec permit municipal ballots to carry party affiliations alongside candidate names. Other provinces, such as Ontario, forbid listing parties. "Change that one clause and you would have city parties springing up all over," Kennedy predicts. "It would be better for politicians—and better for voters."

FRANK GUNN/CP

THEY DIDN'T HAVE TO GO

Why the evacuation of the reserve was a classic case of official overreaction

BAD WATER is supposed to be Kashechewan's big problem. At least, that's what made the isolated Cree community of about 1,700 a source of national shame. Pictures of residents with open sores and angry rashes, shown repeatedly in alarming news reports, prompted the Ontario government to order the evacuation of more than 800 of them to Sudbury, Ottawa and a few other towns and cities. The rest stayed behind in their mostly broken-down, mouldy houses on an isolated flood plain beside James Bay. The province's explanation for the emergency airlift: heavy concentrations of chlorine, pumped into the Kashechewan water system last month to clear up dangerous E. coli bacteria, were making the chronic skin conditions suffered by many in the community much worse. "Skin infections and lesions were not healing," said David Ramsay, Ontario's natural resources and Aboriginal affairs minister, "because they were being continually irritated by the high chlorination."

But that justification is disputed. Both the technicians with the private company sent in to fix Kashechewan's water plant and federal officials closely familiar with the situation on the reserve told *Maclean's* the Ontario government is wrong about the chlorine. Doctors consulted by Health Canada blame the serious health problems of the community on its long history of overcrowding and squalor, not any recent change in water quality. If their version of the Kashechewan saga is right, then the dramatic decision taken by Ontario Premier Dalton McGuinty looks less like a measured response to an immediate health crisis, and more like a calculated bid to cool down a media frenzy.

Either way, the story now sets the stage for a high-profile summit meeting of Prime Minister Paul Martin and the premiers on First Nations policy later this month. The confusion swirling around the Kashechewan crisis, if it was a crisis, should raise questions about the often improvised way Canadian politicians tend to handle Aboriginal issues—and whether governments are ready to seriously address the long-term problems of remote communities when they are not in the news spotlight.

The sudden emergence of Kashechewan as a national disgrace began with a sample of its tap water taken by Health Canada on Oct. 12. It was sent to a lab, where tests detected E. coli bacteria, which can cause severe illness, on Oct. 14. According to Health Canada spokesman Paul Duchesne, federal officials immediately informed the band council. Within a few hours, the department had hired the Red Lake, Ont.-based firm Northern Waterworks Inc. to make repairs. The company chartered a plane, landed in Kashechewan the next morning, and quickly found a broken chlorine injector in the nine-year-old water treatment plant. Fixing it took about four hours. By Oct. 17, water samples showed no more E. coli, according to Chris LeBlanc, the Northern Waterworks field manager sent to Kashechewan.

But the big issue would turn out to be the amount of chlorine LeBlanc's crew used to clear out the bacteria and keep the water E. coli-free from then on. LeBlanc said levels never rose as high as Ontario's maximum standard of four milligrams per litre. For the first three days after the plant was repaired, chlorine levels varied between 2.5 and 3.5 mg per litre. After that, they were brought down to a normal operating level averaging less than 1.7 mg per litre—lower, LeBlanc noted, than typical chlorine concentrations in Timmins, Ont., about 450 km south of Kashechewan. "They are not getting skin rashes and irritations in Timmins," he said. Health Canada officials also say the chlorine stayed within the normal range.

That's far from the account the McGuinty government accepted. A few days after the band began drawing media attention to its water problem, community representatives arrived in Toronto. The key delegate was Dr. Murray Trusler, chief of staff at Weeneebayko General Hospital in Moose Factory, Ont., the nearest hospital to Kashechewan. Trusler had recently seen patients in Kashechewan, and came to Queen's Park armed with a laptop filled with grim images of sick people he had treated. He met with McGuinty and Ramsay on Oct. 25. "Dr. Trusler is the hero in this," Ramsay said. "He gave the presentation on his laptop with the premier sitting right beside him. It was quite shocking, the pictures of the children especially, with these lesions, skin infections, impetigo. Basically they were living in this regime of high chlorine where you'd start to scratch yourself and the whole thing just spreads."

A few hours later, McGuinty announced the evacuation plan. News of the move must have surprised the group of health experts who had been convened by the federal Indian and Northern Affairs Department for a conference call on what to do about Kashechewan just four days earlier. Dr. Michael Green, a professor at Queen's University's medical school who works for the federal government as a consultant, was part of that call. Green has extensive experience in the James Bay region, and has made many visits to Kashechewan. His advice was that an evacuation was not necessary on purely medical grounds. He recommended residents continue boiling water—as they had been for years—and that local nurses be vigilant about possible water-related sickness.

But Green stressed in an interview that immediate water worries were never the only issue. He said unrest has been building in Kashechewan for years over awful living conditions and poor health—discontent with far deeper roots than last month's E. coli spike. "Regardless of what you think about the evacuation," he told *Maclean's*, "the important outcome here is that there's finally some attention to Kashechewan's problems and political will to do something."

EXPERTS blame the health problems on a long history of overcrowding and squalor, not any recent change in water quality

By late last week, questions were being raised about whether Kashechewan's delegation to Toronto had played up the water issue to get the attention of politicians who otherwise ignored them. But Ontario's top native leader rejected any suggestion the crisis was intentionally exaggerated. "We're talking about health and safety here," said Grand Chief Stan Beardy of the Chiefs of Ontario, an umbrella group representing the province's reserves. "I have no reason to question Dr. Trusler's opinion." Beardy scoffed at the possibility that journalists and the Ontario government had swallowed a torqued version of the E. coli and chlorine scare. "Do you feel," he said, "that people who are isolated that far north are sophisticated enough to orchestrate a national media campaign?"

While Beardy may doubt the sophistication of Kashechewan's approach, Trusler's laptop show had an effect that many savvy lobbyists might envy. McGuinty pushed ahead with the evacuation, under an agreement that guarantees the federal government will pay for it. (So far, no government officials are estimating the costs, or when Kashechewan residents scattered across Ontario in hotels will go home.) Ottawa soon took its own steps, perhaps to avoid looking frozen while McGuinty appeared so decisive. On Oct. 27, Indian Affairs Minister Andy Scott met with Kashechewan Chief Leo Friday and announced a deal that would see 50 new houses a year for a decade built on a better site somewhere not far from the community's current townsite.

Any help will be welcome. By all accounts,





Chief Friday (left, centre), aerial view of Kashechewan, and street scene



JONATHAN HAYWARD/CP (FAR LEFT); BRIAN WOMS; JONATHAN HAYWARD/CP

daily life in Kashechewan is intolerable. Many of the houses are in bad shape. Asked about unemployment in his community, Chief Leo Friday reacts by tallying up who *has* a job. It's a short list. He estimates unemployment at about 85 per cent. Overcrowding is so bad that sleeping in shifts is not uncommon. One recent afternoon when he was in Toronto for talks with the Ontario government, Friday said he called home to try to speak with his cousin, but found he was asleep in the daytime because no bed had been available the previous night. Many of the chronic health problems that plague the reserve—including skin ailments—are attributed largely to cramped living conditions.

Water quality is, beyond dispute, an urgent challenge in many remote reserve communities. Kashechewan was put under a boil water advisory due to cloudiness and sediment in the water (although not the more serious E. coli) back in August 2003. In all, 84 more Canadian reserves have to boil their water to be sure it is safe to drink. The federal auditor general recently reported that most native communities don't have properly trained treatment plant operators. But addressing the water problem, at Kashechewan and elsewhere, hardly gets to the causes of these communities' woes. There are few jobs, and education is often substandard. The cost of living where everything from orange juice to plywood has to be flown or floated in is staggering.

For Kashechewan, the new subdivision promised by Ottawa is the main result so far of all the recent attention. But a few leaders propose a more radical solution. Jonathon Solomon, deputy grand chief of the Mushkegowuk Tribal Council, which represents seven communities in the region, proposes moving Kashechewan much further, close to a bigger community with year round road access. "We have an opportunity here," said Solomon, who grew up in Kashechewan but now lives in Moose Factory, where the council is based. "I would rather see my home community set up out of isolation, somewhere closer to where you'd have access to everything, maybe just outside of Timmins. Opportunity for kids would be wide open. They would have the chance to get jobs and continue their education."

That vision goes beyond clean water and new houses to real hope. But some other regional Aboriginal leaders doubt the idea will win much local support. Still, as the Prime Minister and premiers prepare to discuss First Nations issues Nov. 24-25 in Kelowna, B.C., any push toward fresh thinking can't hurt. In Kashechewan's case, Ramsay says Ontario would consider Solomon's proposal, as long as it came from the community. "That's something that we could work on, if that's their desire," he said. "I mean, 70 per cent of Aboriginal people are already off-reserve. We have to ask ourselves why they leave." It's a good question. If Kashechewan's story prompts that deeper probing, then the evacuation—whether it really needed to happen or not—might just have been worth it. M



AFTER this 'crisis' has passed, will governments be ready to seriously address the long-term problems of remote Aboriginal communities when they *aren't* front and centre in the news?





Members of the Canadian Forces on the reserve (top), evacuees in Peterborough, Ont. (middle), Kashechewan residents getting fed at Ottawa's Odawa Native Friendship Centre

LOUIE PALU/THE GLOBE AND MAIL (TOP); CLIFFORD SKARSTEDT/PETERBOROUGH EXAMINER/CP. PHOTOGRAPH BY PETER BREGG/MACLEAN'S

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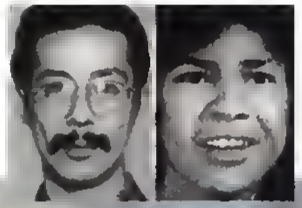
EXCLUSIVE The *Maclean's* Excerpt

A COLD AND DESPERATE WALK

Abandoned by Saskatoon cops in -22°C weather, Darrell Night almost died

The "starlight tour," the practice some Saskatoon police officers had of dropping off troublesome natives on the edge of town regardless of weather conditions, was well known in the city's Aboriginal community. But it's doubtful it would ever have become public knowledge, let alone the focus of a judicial inquiry into the November 1990 death of 17-year-old Neil Stonechild, if Darrell Night had not survived his own starlight tour in the winter of 2000. Within five days of Night's experience, two other native men were found frozen to death on Saskatoon's outskirts, and Night spoke out, telling the frightening story reproduced in Starlight Tour: The Last, Lonely Night of Neil Stonechild, *by CBC journalists Susanne Reber and Robert Renaud. Excerpts:*

SOME TIME after midnight on Jan. 28, 2000, Const. Dan Hatchen partnered up with Const. Ken Munson in a marked police cruiser. Both men were husky, but Munson had a way of carrying himself, a sort of game-on walk that signalled he meant business. After starting with the Saskatoon police in 1984, he received a decoration for talking a native man out of jumping from a third-floor balcony window holding his three-month-old baby. Hatchen and Munson got along well; they'd been partners for the past six years.



At roughly 3 in the morning, Darrell Night walked out of a popular native nightclub in downtown Saskatoon called C-Weeds. Night was dressed for a night spent taxiing between bars or taking short walks to visit friends: a blue-jean jacket with a fleece collar, light blue denim shirt hanging loosely over a pair of jeans, white running shoes, no hat, no gloves. Tonight he was in a good mood and ready to party. He'd started out around 9 at a neighbourhood bar called the Red Rock Tavern at Avenue W and 22nd



Wegner (top left) and Stonechild, police investigate the discovery of Wegner's frozen body, the second found in the area in five days, near the Queen Elizabeth Power Station south of Saskatoon on Feb. 3, 2000. The 30-year-old native was dressed only in a T-shirt, jeans and

CLOCKWISE FROM TOP LEFT: SASKATOON STARPHOENIX/CP; SASKATOON STARPHOENIX/CP; RICHARD MARIAN/SASKATOON STARPHOENIX/CP



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Street. He'd downed a couple of beers and watched some pool with his cousin Harry and Harry's wife, Donna. The threesome then joined friends and taxied down to C Weeds, where they'd stayed until closing. They moved on to a house party where, shortly after 5 in the morning, a fight broke out.

Night made for the door. No way was he getting caught up in this. A woman grabbed the phone to call the police. "F-- ing assholes," he thought. The party was over. Without looking back, he headed for the stairs. At least he didn't have far to go after he emerged from the apartment building. The temperature with the wind chill was -22° C, but his sister lived just across a small park from where he was standing, and he could get there in three minutes if he cut through.

A police car drove by him. As it passed, it slowed slightly. Seeing the police triggered all of Night's latent anger. He lunged off the sidewalk toward the cruiser and raised his right hand with the middle finger extended. All Hatchen could hear through the rolled-up windows of the cruiser was "f—ing bastards." As the car continued to move past, Night pounded two or three times on either the trunk or the side panels.

Munson looked at his partner as if to say, "That's not on." He backed up until he was even with Night. He rolled down his window and, looking directly at him, asked, "What's your problem?"

Night looked back at the officer with disgust. "About f---ing time you guys showed up. Do I have to tell you how to do your jobs? Get up there and f---ing stop those fights." Something in the way Munson looked back made Night cover the last few steps to the cruiser. Leaning toward Munson until their faces were only 20 cm apart, he said, "What's your f---ing problem?"

Hatchen and Munson got out of their cruiser. Night grew quiet, no matter what he said now he was going to the police station. Hatchen said, "You're under arrest," and cuffed Night before shoving him roughly onto the hard back seat of the police car. Hatchen had had trouble securing the cuffs, and to Night it felt as if they were tightening further. He grunted in pain. "You racist bastards. You're only doing this 'cause I'm an Indian." He leaned as far as he could to one side, trying to take his full weight off his hands. He'd been in the same fix enough times to realize he should never have opened his mouth. The car made a U-turn, headed east toward the police station. "C'mon, guys," Night begged, "you don't have to do this. I wasn't doin' anything. Just let me go." Munson and Hatchen ignored him.

Riding as the passenger, Hatchen was responsible for making entries in the mobile terminal. Although they had arrested Night, neither of the police officers had asked him his name. Nor did Hatchen punch anything into the computer to record that they had someone in their back seat.



Night (centre) with his mother, Rosa Desjarlais, and his lawyer, Don Worme

When they passed the intersection of Avenue H and Eleventh Street and carried on along the South Saskatchewan River, Night realized something was wrong. As it dawned on him they were leaving town, heading toward the power station, he remembered the rumours he'd heard. "I'm done for," he thought. "These guys are going to beat the shit out of me, maybe even kill me. What the hell am I supposed to do?"

Scared for his life, he began pleading to be let go. "What are ya goin' to do? Take me out to the landfill and shoot me?"

"No, you just have a little walk."

Near the city limits, the car passed a building flooded with light. Darrell recognized the Queen Elizabeth Power Station. A few minutes later the car stopped. They were now more than two kilometres past the power plant. All of the trailer windows were dark. Night sat perfectly still, expecting the worst.

Hatchen got out of the passenger side and opened the door to the back seat. Munson stayed behind the wheel.

"Get out of the car," Hatchen said.

Night did not move. It was so cold that Hatchen's boots made a cracking sound as he stepped toward him.

"I said, get out of the car."

When Night still refused to get out, Hatchen grabbed his arm and started to pull him out. The sudden pain made him yield, and he bashed his head into the top of the door frame on the way out. On the small roadway near an expanse of desolate, dark fields and a sleeping trailer park, the only light came from the stars, which flashed like shards of ice set in the blackness overhead.

Hatchen shoved Night a few steps toward the back of the cruiser and spun him around so he could remove the cuffs. Night fell awkwardly forward over the car's trunk and the cold of the metal burned his cheek. Once the cuffs were off, the two officers got back in the car and slammed their doors. The brittle snow crunched beneath the cruiser's tires. "You can't leave me here, I'll freeze to death," Night screamed.

The cruiser crawled forward a hundred metres or so and pulled a U-turn. As it approached Night, it slowed and stopped. The silence and the cold magnified the sound of the electric window on the driver's side being lowered. It seemed like the only sound in the world. Munson eyeballed him again, almost exactly as he had in the beginning.

"That's your f---ing problem," he said.

Night watched in a daze as the red tail lights receded into the darkness and then disappeared entirely. As soon as Hatchen and Munson got onto Valley Road heading back to Saskatoon, Hatchen keyed "Available" into the car's mobile data terminal. Immediately,

RICHARD MARJAN/SASKATOON STARPHOENIX/CP



the dispatcher back at the station requested they go to a parking dispute on Clancy Drive in the west end. Hatchen and Munson wrote nothing about the big native guy in their notebooks.

"It'll be your f---in' problem, if I get back," Night said out loud. He took a few seconds to get his bearings as the alcohol and the adrenalin kept the cold briefly at bay. No use going straight north, he knew. Nothing there but the CN railway yards and the city dump, a giant mound that obscured the lights of Saskatoon. He didn't even consider trying the trailers directly behind him, figuring no one would open the door for him. His best bet was the power station. They'd let him in and he could call a cab.

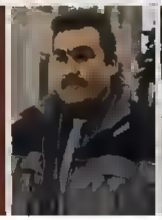
He turned up the collar of his jean jacket and hunched his shoulders, trying to protect his ears. He stuffed his hands in his jeans pockets and started walking eastward along Spadina, bordering the river, toward the lights of the power station. With his chin tucked into his jacket he watched his running shoes hitting the snow with a kind of hypnotic rhythm. He looked up after a few minutes. The power station seemed as far away as when he began. He despaired at his lack of progress. But the only thing he could do was to put his head down against the bitter wind and keep walking. When he looked up a second time and the lights seemed to be as far away as before, fear knotted his gut. "I'm not going to freeze to death out here," he told himself over and over to ward off the other thoughts preying on the edges of his determination.

As Darrell Night was beginning his walk toward the power station, Mark Evoy was finishing his 12-hour shift. With 20 years' experience at SaskPower, Evoy was one of six shift workers responsible for the 24-hour-a-day operation of the plant. Shortly after 6, Evoy gathered the inter-office mail to take to the front office, on Spadina Crescent.

Darrell Night's breath froze as it blew back in his face, slowly turning his eyebrows and hairline pure white. He wasn't thinking clearly and each step was becoming increasingly difficult. He only realized he had reached the front door of the power station when light surrounded him on all sides. Strangely, he no longer felt the full bite of the cold. But he had been walking for 20 minutes and knew better than his deteriorating senses were telling him.

He stared at the shovelled sidewalk and







At the scene of Naisus's death (top); Hatchen (right); Munson: the police officers never recorded Night's presence in their cruiser

the front door. For the briefest of moments he wondered if he shouldn't continue walking the remaining five kilometres into town.

"No, I need a cab. I'm not going to freeze to death," he told himself for the thousandth time. He hammered with his bare hands on the glass doors. He knew he was going to freeze if he didn't get inside soon. "If I have to I'll break in," he thought. But if the same cops who had dumped him out here came back and caught him, they might dump him even farther away. He hammered on the glass for 15 to 20 minutes. Surely someone had to hear him, eventually.

When Evoy walked into the front office shortly after 6, he was startled to see a giant native man wearing only a jean jacket banging on the other side of the glass. Evoy did not let Night in at first, figuring he was drunk. Night was so preoccupied with banging on the window and not succumbing to the cold that he didn't see Evoy. For a minute or so, Evoy watched Night. Evoy took a step backwards into the darkened office. He hesitated, not wanting to open the door.



STARLIGHT TOUR
Susanne Reber and Robert Renaud, Random House Canada, $35

"They're going to find this guy on the front lawn in the morning if I don't let him in," Evoy said to himself, thinking of how cold it was outside. SaskPower wouldn't be too pleased with him for allowing that to happen. So, despite his misgivings, he unlocked the door. He smelled alcohol and felt a blast of frigid air as Night's bulk moved past him.

In his anxiety, Evoy started speaking before the man had even turned around. "What the hell are you doing out here at 6 o'clock in the morning?"

Night squinted back at Evoy. With his whitened hair and eyebrows, and ice-encrusted eyeglasses, he cut a sorry figure. The engineer took in the flimsy jean jacket, jeans, denim shirt and running shoes and could only shake his head in disbelief.

"What, do you think I want to be out here?" said Night in his booming, slow drawl. "The police. Those f---in' bastards. Excuse my language. The police just dumped me out here."

"I don't understand. You're saying the police did this to you?"

"I'm telling you those bastards picked me

CLOCKWISE FROM TOP LEFT: RICHARD MARIAN/SASKATOON STARPHOENIX/CP; GORD WALDNER/SASKATOON STARPHOENIX/CP; ROY ANTAL/REGINA LEADER POST/CP

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up downtown, drove me out here and said 'Get out, you f---ing Indian.' Then they left me to walk home."

"It doesn't make any sense," said Evoy, afraid to say too directly that he didn't believe him. "What do you want to do now?"

"I need a cab. All I want to do now is go to bed. Could you call me a cab?"

"Do you have any money on you?" Night nodded, so Evoy searched one of the desks for a phone book. Not finding one, he turned back and asked, "Do you have a number?"

Night smiled. For him, taxis were the city's transit system. The number rolled off his tongue: "652-2222."

Evoy motioned for Night to sit down on the long wooden bench in the reception area. As incredible as this guy's story was, Evoy could not figure out how else Night could have gotten out here dressed so lightly. Sensing Evoy's skepticism, Night rolled up the sleeves of his jean jacket and extended his arms. "There. Look at these. What do you think they are?" Red marks circled Night's wrists. After that Evoy said nothing else and just sat down to wait for the cab beside the man he had let in from the cold.

As he started back into the city along the river, cab driver John Friesen glanced into the back seat. The cold that had entered the car with Night magnified the stink of alcohol on his breath. His passenger was silent, but Friesen could tell he wasn't happy.

WHEN NIGHT screamed that he was going to die of the cold, Munson stared at him and replied, 'That's your f---ing problem'

"Drinkin'?" he asked.

"M'hm."

"Not a bad job if you can get it, my friend. You got it good if you can do that. Wouldn't work too well drinkin' and drivin' cab."

"Nah," said Night in disgust. "I don't work out there, you know. Guy just let me in. Couple of cops dumped me near the trailer park on the far side of the power plant and I walked back." Friesen did a double take in the mirror: the fellow was only wearing jeans, a denim shirt and a jean jacket.

"F---in' bastards, excuse my language, I'm just pissed. I shouldn't swear like that. They'll regret this if I report them." Night so doubted that anyone would believe his story he didn't even sound convincing to himself. Complaining was a waste of time, he decided, and might even make things worse, so he shut up.

Night had every intention of staying quiet. But on the next day, Jan. 29, the body of Rodney Naistus, 25, was found shirtless and frozen to death a few kilometres from where Night had been the day before. And on Feb. 3 the frozen body of 30-year old Lawrence Wegner—wearing only a T-shirt, jeans and clean socks—was found near the power station. Later that day, Darrell Night told his story to a police officer.

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CHEAP IS BEAUTIFUL

Sleeman beer may taste good, but these days drinkers only care about price

EVER SINCE reviving his family's century-old beer business in 1988, John Sleeman has done everything to preserve its down-home feel—even citing page numbers from his grandfather's legendary brew book when talking about the company's beer. But when Sleeman announced a couple of weeks ago that profits this year will fall short of expectations—due in large part to the price war being won by buck-a-beer brands—the family's successful business model was suddenly in jeopardy. "Consumers have sent us a wake-up call," Sleeman told *Maclean's*. "Value-priced beer is here to stay and we've had to change the way we do business to stay competitive."

Problem is, the Guelph, Ont.-based company is stuck in the middle of an industry in which small breweries benefit from provincial tax breaks and big firms take advantage of large-volume production efficiencies. Sleeman's third-quarter results aren't promising—for one thing, net earnings slid to $3.5 million, down from $4.5 million in 2004, and sales fell almost three per cent. Still, the company's CEO is confident his beer business will bounce back, and he's betting heavily on his own selection of value-priced brews—including Old Milwaukee and Pabst Blue Ribbon—which now account for 45 per cent of Sleeman's total business.

The strategy is to fight the discounters on their own terms, but not everyone shares Sleeman's optimism. "John's problem is that he paid for discount beers, whereas Brick and Lakeport have proven you can just make the beer and price it lower," says Michael Palmer, an analyst at Toronto-based Veritas Investment Research Corp. "John has some skin in the game with these brands, which are struggling to find a place." Palmer also sees Sleeman's brand equity slipping. "They've lost a bit of their coolness," he says. "Sleeman's demographic is older than Sleeman would like it to be. The beer is okay with the yuppies, but the kids aren't drinking it."

As a result, Sleeman has found itself caught between the industry's proverbial rock and a hard place. Consumers are trading up to premium or down to value-priced, leaving fewer and fewer drinking middle-of-the-road suds. That's why, several months ago, many of the mainstream brewers attempted to shake things up. Molson merged with U.S. beer maker Coors in an effort to improve efficiencies, retail prices were slashed at several companies, and new products were introduced (Labatt Genuine Honey was entered into the value market at $25 a case, Molson countered with Carling Lager at about $26). But putting your company name on value products can prove dangerous. "When Labatt put Wildcat on the market 10 years ago it wasn't connected to Labatt at all," says Palmer. "By doing it, you risk destroying some of the equity in your company's name."

Not that brand identification or loyalty is of any real consequence anymore. "If you make it cold enough anything is palatable," says Stephen Beaumont, the Toronto-based author of *Premium Beer Drinker's Guide*. "People are looking at the prices and saying, 'If Lakeport tastes roughly the same and costs $11 less, then I'll buy Lakeport.'"

That's exactly what Teresa Cascioli hoped would happen when she led Lakeport Brewing Co. out of bankruptcy in 1999. From the outset, her company's sole focus has been on value. "For years, beer prices went unguarded," says Cascioli, whose Hamilton company sells 24 bottles for $24. "We're like the pit bull at the door."

Cascioli, a buck-a-beer pioneer, has plenty of company. By some estimates, value beer now makes up more than 20 per cent of all the brew sold in Canada (about 30 per cent in Ontario, and more than 40 per cent in Alberta). While value-priced brands have smaller margins than premium brands, they make up for it with higher volumes, making the discount market very lucrative.

While most beer companies are struggling to find ways of dealing with the increased price competition, value brands are raking in huge profits. Lakeport's sales jumped by 83 per cent in the second quarter of 2005 (third quarter results will be released this week). Brick Brewing Company Limited, which added Laker—a cheap alternative to its premium menu—three years ago, has experienced a similar sales spike.

That move may have saved the Waterloo, Ont. brewer from financial trouble. Sales of its value brands were up 36 per cent in the most recent quarter, while its premium Brick brand slipped nine per cent. The fix for Sleeman might not be so simple. And it certainly won't be found in the pages of granddad's old recipe book.

SUDS WAR

Comparing second quarter earnings, in millions*



*EARNINGS BEFORE INTEREST, TAXES, DEPRECIATION AND AMORTIZATION
SOURCE: COMPANY FILINGS



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A BILLION MINDS UNLEASHED

What happens when the developing world is as smart as we are?

IMAGINE A BILLION educated minds, and what they might be capable of. Now imagine those minds belonging to people whose desire for discovery is matched only by their hunger for prosperity—the kind of hunger that can only be born out of grinding poverty. Picture all those minds growing up and learning in Asia, eastern Europe, South America and Africa. Think about just how different the world will be when those minds turn their attention from the lessons of the past to the possibilities of the future.

Now stop imagining, because that's the world we'll be living in within 30 years.

Last week, the New York-based Conference Board released a report on education around the world, and its findings are as exhilarating as they are daunting. The developing world is finally developing. Now comes the hard part.

Already, more than 90 per cent of children in the world's poorest countries have access to primary school education (up from about 65 per cent in 1970), and that should reach 100 per cent by 2013. In secondary education, the improvement has been slower but is still striking. In the poorest nations, less than half of the population reaches high school, but the World Bank estimates that by 2014, middle-income nations like Malaysia, Mexico, Brazil and the Philippines will have enrolment levels equal to those of the developed world. By then, the poorest nations should reach 65 per cent secondary enrolment. At the college level, the developing world is on pace to double enrolment within 25 years.

Huge disparities and gaps still exist—most notably in the access of young girls to education, and conditions in war-torn Africa—but at the current rate of improvement, the world should achieve universal basic literacy by 2035. That alone is an amazing breakthrough, but the numbers implied by that education revolution are positively mind-blowing.

In 2001, there were 85 million secondary school students in the world's 55 "high-income" developed countries. That year, there were 360 million high school students in the developing world. There are now about 13 million students enrolled in college or university in the United States, compared with more than 24 million in China, India and Brazil combined. As access to education continues to expand, the numbers will mushroom. And in the developing world, students are heavily concentrated in the very disciplines most likely to yield economic advantage: math, science and engineering.

This is good news, right? Of course it is. Social justice demands that this process be fostered, even accelerated. The future well-being of the planet might depend on the enormous human potential being unleashed in the Third World. In one of those millions of minds may be the solution to the world's energy crisis, the key that unlocks the secret of sustainable development, or the cure for cancer. But are we in the West really prepared for the implications of this new world? Not by a long shot.

THE WEST has gotten fat and lazy, and Canada is among the worst offenders. Soon, our grandchildren may be the ones sewing shoes for middle-class yuppies in Thailand.

The Western world has gotten fat, lazy and complacent about its standard of living, and Canada is among the worst offenders. Over the past few years Canada's productivity growth—which measures the value of goods and services produced per hour of work—has gone from anemic to non-existent. In 1970, this country's productivity ranked fifth out of 24 nations in the Organization for Economic Co-operation and Development. By 1980, we'd slipped to 12th. In 2004, to 17th.

Don Drummond, chief economist at Toronto-Dominion Bank, sounded the alarm on this issue last month, pointing out that better productivity is the only reliable path to more employment, higher profits, and a better standard of living. Our needs are well-known: lower taxes, more spending on infrastructure and technology, and major investments in education, research and innovation. But "the subject hasn't gripped the hearts and minds of most Canadians," he says.

Luckily, Canada may finally be figuring out this dawning reality. But we have a lot of ground to make up. Despite five years of increases, per capita funding for colleges and universities is still 8.6 per cent below where it was in 1990. Our ranking in primary and secondary education funding is even worse: 19th out of 30 developed nations ranked by the OECD in 2001. Even our much-maligned American neighbours are far more prepared for what lies ahead. The U.S. is home to more Ph.D.s per capita, spends more on research and development, and devotes 17.1 per cent of government spending to education, compared to Canada's 12.7 per cent.

Technology is only accelerating the Third World's emergence as an economic power. Already we've seen companies outsource tech support and customer service to Asia, and as the quality of that workforce improves, it's only a matter of time before they design their own products to rival the best the West can offer. All this is good news for mankind, but to be ready for that shift we need to be as committed to developing human potential as they are. And that starts in the classroom.

The sooner we all wake up to what's happening the better. Otherwise, we won't have to worry much longer about the decline of our manufacturing sectors. Our grandchildren will be the ones sewing shoes for middle-class yuppies in Thailand, and moving to Beijing to be nannies for the spoiled children of wealthy Chinese industrialists.

Read Steve Maich's weblog, "All Business," at *www.macleans.ca/allbusiness*



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POKI'S ROYAL FLUSH

A 'robot' from Alberta can easily trounce most poker players



Some claim that hackers hoping to cheat online have stolen poker-playing software

IF YOU'RE PLAYING poker at an online casino and encounter an opponent who speaks Latin, has a weakness for ice cream and never takes a bathroom break, it's time to fold 'em. You might not be gambling with an actual person but rather a stolen version of a poker-playing "robot" created by the University of Alberta's computer-poker research group. The robot, named Poki, and with an online "personality" made up of catchphrases, was designed as an exercise in software programming. And Poki's been so well designed that he can beat the average player. In fact, there are reports—so far unproven—that hackers have hijacked some of his software, hoping to rake it in at online casinos.

"That's a misrepresentation of the truth," insists Jonathan Schaeffer, the man in charge of games research at the University of Alberta, of the story that appeared in the September issue of *Wired*. He and his colleagues *have* made parts of their computer code available on their website to help those building their own so-called poker bots (actually just series of algorithms, not robots of the R2-D2 variety), but these are merely the functions that shuffle the cards or recognize winning combinations. Schaeffer admits, however, that if even Microsoft can't keep hackers out, no fortress is impenetrable.

Whether or not Poki is a culprit, poker bots have become a big problem for the US$1.4 billion Internet casino industry. Some self-proclaimed gambling renegades have started selling their money-making programs for around US$25 a pop, so it's no wonder sites are starting to crack down on anything that could shake consumer confidence. Schaeffer calls the situation a casino cold war. Some sites have hired detectives to squirrel out the programs, but while they can detect obvious signs of a bot—like 72 hours of continuous play—the renegades are finding better means of deception. "Whatever the casinos do, these people figure it out," says Schaeffer. "It's a silly waste of time on both sides, but it's necessary to protect the integrity of the game."

The University of Alberta team isn't in it for the money—they began their quest in the days before the game became the hobby du jour. "Poker has a wealth of very interesting questions for computing science," explains Ph.D. student Darse Billings, the group's research director and a one-time professional player. Games are an excellent exercise for software programs because they have simple rules and measurable outcomes. But compared to chess, poker poses an extra challenge in being a game of imperfect information, where you don't know your opponent's hand and deception is integral. "There is no one best move," says Billings.

ONLINE gambling sites have hired detectives to squirrel out poker bots. Schaeffer calls it a casino cold war.

While most programs play mathematically, the team's newest versions, considered the best in the world, are built to take their opponent into account—calling more often against a chronic bluffer, for instance. "It means not just exploiting the errors of the opponent," says Billings, "but inducing errors by a clever series of plays that give a false impression." The game is proving a tough nut to crack, however. "Our program is clearly better than an intermediate player," says Billings. "But my goal is to have a bot that plays better than *all* human players." Until that day comes, the fear of bots is more psychological than practical—an elite human player is still better at the game than a robot. "Humans are paranoid, though," says Schaeffer. "They think that if it's a computer it must be really good."

Despite the fact bots don't always win, using them online is illegal when the casino bans software aids. Even if it's not explicitly stated, argues Schaeffer, it's unethical if players are pretending their bot is a human. Besides, he jokes, "you have to be 18 years old, and our program started in 1991, so it's only 14." Billings, however, notes that online casinos sometimes snoop on players' computers to see if they're using programs. "If some online sites act in a dishonourable manner, is it reasonable to expect users to behave by a superior code of ethics?"

Everyone agrees, meanwhile, that bots will one day trump even the best players. "We need that moment of inspiration," says Schaeffer. "It could take months, it could take years." For now, bots will have to be content preying on the weaker among us.







STALKING A SILENT KILLER

After Gavin Craig and Kelty Dennehy lost their lives to depression and suicide, their families vowed to crack the code of silence around an insidious disease

BY ANN DOWSETT JOHNSTON

IN THE MIDDLE of August 2001--two weeks before he planned to end his own life in a nondescript motel in Washington, D C – Gavin Craig headed home to Vancouver For his parents, Heather and Lloyd, this was a joyous occasion, a rare opportunity to see their youngest son on home turf In the two years since he first enrolled at George Washington University, they had been in constant contact, emailing on a daily basis But it had been a long time since the gifted student had set foot in the rambling house on Summit Crescent For years, this had been home base for his gang of physics brainiacs, geeky smart kids who worshipped Led Zeppelin and Stephen Hawking with equal abandon Together they launched the Rock Trivia Club and Butt Ugly Shirt Day at Seaquam Secondary This was Gavin's gang, and he was the effervescent leader: the one with the number pi scrawled all over his overalls, who counted on his fingers using the binary method, played a mean bass guitar and never met a math sequence he didn't love

Now, the 25 year-old grad student, about to enter his final semester of a master's program in speech-language pathology, had arrived home with three classmates, determined to show them the people and places he held most dear Over five days, he did just that they headed up to Whistler to hike Rainbow Trail, hung out at the house with Gavin's older brother Matthew and his sister-in-law Tracy, and generally just goofed around When it came time to head to Seattle for the flight back to Washington, they all piled into the Craigs' van and had a farewell dinner At the end of the evening, Gavin gave each of his parents a long hug "Physically," says his father, Lloyd, "he looked fabulous In fact, I said to Heather, 'I don't remember seeing him so good' "

Craig on his beloved Rainbow Trail (above left), Dennehy in his Notre Dame uniform

When it came to reading their son's emotional barometer, the Craigs were exceptionally vigilant At 19, Gavin—a straight-A student at Simon Fraser University—dropped a physics course When his mother asked why, he said simply "I can never be as smart as the professor" In retrospect, Heather sees this as the first sign of a spiral of self-doubt The following fall he headed off to McGill

COURTESY OF GORD ROSS (TOP LEFT); COURTESY OF GERRY DENNEHY

in Montreal, and soon fell into a deep depression. "Gavin was classic," says Heather. "He was anxious, he wasn't sleeping and by Christmas he'd lost 20 lb."

In early January 1996, the Craigs flew their son home and took him straight to the family doctor, who said: "You're not the first person who couldn't handle university." The next day, Gavin saw a psychiatrist who told him not to worry, he would be fine. But he wasn't. Soon, Gavin began eating all the pills in the house—292s, Gravol, Aspirin. When he ingested paint thinner, his parents had him admitted to a locked ward, but he was discharged—without drugs—after a week. Less than a month later, Gavin drove his Mazda into a tunnel wall. Says best friend Gord Ross: "It was explicitly planned, like a physics problem. The velocity, everything. Sometimes Gavin was too smart for his own good."

With a punctured lung, a broken right arm, several broken ribs, a shattered cheekbone and injuries to his frontal lobe, Gavin underwent 10 hours of surgery and fell into a coma. When he woke three weeks later, he couldn't walk or talk. For the next six months, he worked with a variety of therapists, and he also began seeing a psychiatrist, who put him on a low dose of Paxil—one his mother calls "homeopathic at best." "Slowly but surely, he began to pick up speed," says Ross, who helped Gavin learn to walk again. "But his short-term memory wasn't what it used to be." And after his accident, he lost some of his dexterity on the guitar. "He would say that he was never the same," says his brother. "And the fact that he wasn't at his max really bothered him." Most distressing was Gavin's fear that his depression would return. "Next time, I'll depend on you to recognize the signs," he told his mother, "because I will not. I can't trust my own brain."

That fall, Gavin re-enrolled at Simon Fraser, studying math and linguistics. Although he needed extra time to do exams, the A-student was back: after graduating, he headed off to George Washington to do a re-entry year, a walkup to the master's program. As always, he distinguished himself. Carol Frattali, internationally respected for her research on the cognitive abilities of those with frontal lobe damage, had chosen him for a research externship at the National Institutes of Health. "I often forgot he was a student," Frattali told *Maclean's* in 2002, two years before her death. "Of all my externships, he was the one who held the most promise. I knew I would be reading him in years to come."



GAVIN'S FAMILY ALBUM (clockwise from top left): Gavin with Matthew at Meadow Lake, Sask.; with their mother and Beau in Tofino, B.C.; with Tracy Bauman (Matthew's future wife) in Sardinia; grad celebration in 1993 with high-school pals, including Ross (in kilt); hiking with Ross in Squamish; after his car crash, in Hawaii

If Frattali was an important figure, Michael Bamdad—clinical director of the speech-language pathology program at George Washington—played an even larger role. A specialist in traumatic brain injury and Gavin's thesis adviser, he had a deep appreciation of his student's struggles. "Gavin had the most wonderful mind," says Bamdad. "And I'm amazed, knowing of his accident, how well he did. He was depressed before the brain injury, and then he had to absorb the fact that he had caused it. He really fought this sucker."

One week after Gavin Craig said goodbye to his parents in Seattle, they made their regular Sunday call to Washington. No answer. On Monday, still no answer. "I knew immediately he was dead," says Lloyd. In fact, three days earlier Gavin had checked himself into a motel. That night, he killed himself, leaving an extraordinary 21-page "apologia" to his family, written largely before he had headed west. Ruthlessly negative and ultimately hopeless, it offers a remarkable window into a severely depressed mind. He admits there are things he's going to miss: "Quentin's next movie, *The Lord of the Rings*

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series, Radiohead's next album, the brilliant bands that the future holds, technology in the next decade, the Mars colonization effort, the coming together of the world to end global warming before it kills us. There are some non-trivial things I'll miss. Playing tennis with Matt and Dad. Trying to figure out what post-modernism means with Mum. Going on bikes with Gord."

But, he says, "living is a series of disappointing events that break up an endless monotony." He takes a break from the letter to do his laundry and surfs the Web, searching for a hotel to "die in." "Most people would deny it, but I argue that I am in a terminal illness that does cause endless suffering." Even as he writes, there's a wistful hope that "something will come about to slide away this need to die." He tells his family: "I really wish there was a way I could die and [make] it seem like an accident to save everyone a little grief." But in the end, he says: "No matter what I did, I couldn't escape my apathy, my depression. I'm sorry I have to leave you."

When Frattali heard the news, she was overwhelmed. "I have to say, in all our time together, there never was a glimmer of a dark side. He had a zest for life, and lived life so fully. It was the last thing I ever expected to hear, and the last person I expected it to happen to." After speaking at his memorial service, the mother of three said, "Everyone was reeling with sadness. Actually, it made me worry for kids in general, my own kids too. Depression seems like a silent killer, one we should all be afraid of."

IN WILLIAM Styron's brilliant memoir of his own depression, *Darkness Visible*, the writer argues that the disease deserves a new name. "Depression," he writes, is a "true wimp of a word for such a major illness," preventing "by its very insipidity, a general awareness of the horrible intensity of the disease when out of control." Styron calls it "as assertively democratic as a Norman Rockwell poster." And he's right. By the end of their teen years, many Canadians will have suffered a depressive episode. Later this month, the Centre for Addiction and Mental Health will release its 2004 Canadian Campus Survey, a random sample of 6,282 full-time undergrads at 40 universities across the country. Using a standard measure of depression and anxiety, 29 per cent of the students reported elevated psychological distress. In British Columbia and Ontario, the rate was markedly higher.

In fact, many campus counsellors across North America are witnessing an increase in the number of students seeking help with mental health issues. Says Bruno Mancini, director of student life and counselling services at the University of Guelph: "I've been here for 27 years, and we are certainly seeing more students who are truly clinically depressed than ever before." Mike Condra, director of health, counselling and disability services at Queen's University, agrees: "Depression is the number 1 mental health problem that we're seeing." In fact, Peter Lake, co-author of *The Rights and Responsibilities of the Modern University: Who Assumes the Risks of College Life?*, predicts that mental illness will soon eclipse alcohol as the No. 1 problem on North American campuses.

But while those aged 15 to 24 suffer the highest rate of depression and suicidal thoughts, they are also the least likely to seek help. Whether it's the complex nature of the illness or the stigma surrounding it, many young people suffer in silence—which is tragic. "Depression is highly treatable," says David Goldbloom, senior medical adviser, education and public affairs, at Toronto's Centre for Addiction and Mental Health. "But even if it is treated properly, keeping people well remains an important task."

"The earlier the recognition and treatment, the more effective the outcome," says Athanasios Zis, head of psychiatry at the University of British Columbia, Vancouver General and UBC hospitals. "If untreated, the individual may suffer a significant setback from which they may have difficulty recovering." Over time, depression tends to dig in: once a person has had one episode, the odds of a recurrence are 50 per cent, after two episodes, 70 per cent. "The longer the episode, the greater the anatomical disorder," writes author Peter Kramer in his new book, *Against Depression*. "To work with depression is to combat a disease that harms patients' nerve pathways day by day."

"So many people have said that they respect Gavin's decision to end his life," says Heather Craig. "But that implies that Gavin had agency. I believe the disease made the decision." Zis would agree. "If you tell a person with cancer that they have only six months to live, they don't hear it. But depression strikes at whatever the brain uses to create hope."

Of people who commit suicide, 90 per cent have at least one psychiatric disorder, depression being the most common. When it comes to adolescent suicides, Canada has a higher rate than many countries, including the United States and the United Kingdom. And while suicide is the second-highest cause of death for those aged 10 to 24, it's the No. 1 killer of men aged 25 to 29. Compared with their female peers, males are nearly four times more likely to die by suicide. Why? They're more impulsive, less likely to seek counselling and tend to use more lethal methods. They are also

HIS LAST LETTER contains a wistful hope that 'something will come about to slide away this need to die'



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more likely to succeed on their first attempt. Says Zis: "In the developed countries where you don't have war, where infectious diseases are under control, depression is what plagues us."

FROM THE moment they knew Gavin was dead, Heather and Lloyd Craig had no interest in masking the truth. In Washington to collect their son's belongings, they drafted his obituary, saying they had lost their "extraordinary and beloved Gavin to the ravages of depression and suicide." Sitting in his wife's studio two years later, surrounded by her radiant paintings, the lanky CEO of Coast Capital Savings struggles before he can speak of his son, but his voice is unflinching. "Gavin had a horrible disease, and it killed him," he says. "After he died, we realized the medical profession did not fully understand depression, the same way it didn't understand cancer in the '50s. We knew that research had to be our focus—we want to help crack the code." Heather continues: "As a society, we have depression in an emotional box, but it's a physical illness. And at this point, we have no insulin for the diabetes."

Within a week of Gavin's death, the Craigs paid a visit to UBC, telling Zis of their determination to create an endowed chair in depression research. Six months later, the Craigs were co-chairs of the VGH & UBC Hospital Foundation campaign to raise $2.25 million, kick-starting the process with a sold-out breakfast at the Vancouver Board of Trade, featuring B.C. Premier Gordon Campbell. It was a brilliant choice: that morning, the premier spoke movingly about his own father's battle with mental illness and eventual suicide. The room was transfixed.

Lloyd Craig's next step was novel. As CEO of Canada's second-largest credit union, he proposed that each of the 1.5 million members of the province's credit unions donate a dollar to the campaign. More than a million chipped in. "We knew we had cracked the assignment," says Craig. "From there, the trick was to backfill with other gifts."

AS IT HAPPENS, one of the most substantial commitments—$500,000 over five years—came from a foundation in Whistler established by Ginny and Kerry Dennehy in memory of their 17-year-old son, Kelty. If you know his story, it's tough to watch the video of his final vacation, a meandering collection of family scenes—badly lit but good-humoured. "Dec. 23, Puerto Vallarta," announces Kerry Dennehy, panning over the glassy surface of a swimming pool to a wide stretch of beach. "Look," he jokes, "way over there, you can see Hawaii!" From there, his camera follows Kelty, his sister, Riley, and their teenage friends. They play a boisterous game of beach volleyball, and Kelty flashes a toothy grin at a good-looking girl. Next comes parasailing. Kelty heads for the heavens in a striped balloon, and lands safely back on Earth. All is well.

Only the final scene, on New Year's Eve, offers a glimpse of something off key. Twinkling lights are strung up around the pool, the drinks are flowing and an Austrian band is warming up the crowd with *It Never Rains in California*, polka style. At the teenagers'



DENNEHY'S FAMILY ALBUM (clockwise from top left): aged five, with his three-year-old sister, Riley; with his family and dog, Kelly, in the early '90s; on his final vacation in Mexico; with Dodie Dennehy (left) and Rae Spear (right), his two grandmothers, a month before he died; with his mother and Riley at their West Vancouver home

PHOTOGRAPHS COURTESY OF THE DENNEHY FAMILY

table, the girls are bright and shiny in strapless dresses, eating jumbo shrimp. "Where's Kelty?" asks the dad. "Right behind you," chime the girls. And there he is, caught off-guard, his face inches from the camera. What strikes you are his eyes—large, haunted, vulnerable. In a split second, he catches himself, mustering a grin for his father. Then he ducks the camera, and disappears.

Within days, Kelty Dennehy was fighting for his life. The extroverted athlete was about to begin his final term of Grade 12 at the Athol Murray College of Notre Dame, the rigorous school in Wilcox, Sask., renowned for producing a host of NHL stars. When he had arrived in Grade 10, the adjustment was tough. Says friend Noah Hughes: "Kelty and I were very different from the guys who had played elite sports to reach his goal. When he failed math in December, he was crushed. Returning to school after the trip to Mexico, he had anxiety attacks on the plane. Says Hughes: "Kelty was acting strange. He would miss hockey games to stay home and study—which at Notre Dame is a mortal sin." He was also spending a lot of time praying in the school chapel, seeing a counsellor in Regina, and had virtually stopped sleeping. "Still," says Hughes, "most of us didn't sleep that much. I never fathomed what was going on."

Kelty began phoning his parents five times a night, begging them to visit. Both went to Wilcox, on separate weekends. "By January, I knew something was seriously wrong," says his father. "He was at the end of his rope." On Valentine's Day, when Kelty arrived home on a five-day break, his father took him found his son hanging from the rafters. In the end, he was without oxygen for a total of 50 minutes. After spending three days by his side in a Vancouver hospital, the family took him off life support.

Less than six months later, the same week that Gavin Craig was preparing for his last visit home, the board members of the Kelty Patrick Dennehy Foundation gathered for their first meeting at Ginny's parents' summer home outside Winnipeg. They would spend the day trying to hammer out a strategy to fight depression and the stigma surrounding it. Within weeks, they would all be in Whistler for the first annual Kelty Patrick Dennehy Drive for Life golf fundraiser. But for the moment, they sat quietly as Kerry Dennehy, a huge bear of a man, welcomed them. "If I had it to do over again, I would have handcuffed

WHEN IT WAS time to return to school, Kelly cried. 'I can't go back. I don't know what's wrong. Hide the guns.'

their whole lives—bigger, hairier guys. We were picked on pretty regularly. Typical hazing: guys punching you until your arms were black and blue." Eventually, he and Kelty "learned to suck it up." Both played forward on the bottom-rung team, and they had a good year, first taking the league championship, then the provincials.

That summer, Kelty headed home to Whistler. Perched on the 15th hole of Nicklaus North Golf Course, the Dennehy household became the unofficial headquarters for his gang—a place where they could shoot pool and clown around. Few were surprised when he chose to stay home for Grade 11, but Notre Dame had left its mark. His hockey was better and so were his grades. By spring he wanted to return to Wilcox. "Whistler will make me good," he said, "but Notre Dame will make me better."

What Kelty Dennehy wanted most was to study business at Bishop's University, and then get his law degree. In Grade 12, he headed back to Notre Dame, determined to emergency. "It was full of snowboarders and skiers with broken this and that," remembers Kerry. "Kelty was obviously ashamed and anxious." Already taking a low dose of Paxil, he was given Ativan for anxiety. His father also arranged for two visits with a local psychologist. "He didn't seem suicidal to us," says Kerry. "He was helping with hockey practices, sleeping well and seeing friends." But when it came time to return to Notre Dame, Kelty started crying. "I can't go back, Dad. I don't know what's wrong with me. Hide the guns."

On the morning of Feb. 27, Kerry Dennehy headed off skiing with an out-of-town friend, leaving Kelty napping on the couch. At 11:30, he called home. No answer. After lunch, he called again. All he could hear was sobbing, and then: "I love you, Dad." "Hold on," said Kerry, "I'm coming right away." "No, Dad," said Kelty. Dennehy called 911, ordered an ambulance and barrelled down the hill. By the time he reached home, the ambulance was just arriving. Tearing up the stairs, he myself to my son, and locked us up in a rubber room." He cleared his throat. "But that's not what happened. Today, Ginny and I are foot soldiers looking for other foot soldiers in the fight against depression-related suicide," he said. "But, before we begin, I'd like to read from the note left by our son. 'Mom, Dad, Ri and all friends and family: no research on how this came to be will ever be understood, my depression was all in my mind.'"

AS IT TURNS OUT, the campaign for a chair in depression research at UBC has succeeded beyond everyone's wildest dreams. As of this week, the fund sits at $3.25 million. With approval of the chair proposal came a further $2.25 million from the province's Leading Edge Endowment Fund. Next week, Premier Campbell and UBC president Martha Piper will welcome renowned Scottish psychiatrist Allan Young as the B.C. Leadership Chair in Depression. Young, who moved his wife and four daughters to Vancouver last week, is one of the



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lead investigators in the use of mifepristone, a drug that blocks stress hormone receptors (and also happens to be a morning after pill). He is now overseeing international clinical trials, hoping to confirm that the drug can be used to relieve depression and associated cognitive impairment. If successful, mifepristone may be the first truly innovative new psychiatric drug introduced in a generation.

How do stress hormones play a role in depression? "Part of the primary syndrome is a significant disturbance in the ability to think clearly and have normal emotions," says Young. "If you're stressed—say a mugger jumps you—your adrenalin rises and your cortisol rises too. But in severe depression, the cortisol stays high. These are brain changes that are part of the illness. When prolonged, you lose the ability to strategize."

Young says one of the main attractions in coming to Canada was what he perceives to be the country's "huge willingness to challenge the stigma around depression and to fight for good research." In fact, his decision to come to UBC has had unforeseen ripple effects. In January, a couple who chose to remain anonymous gave $10 million to UBC, earmarking the funds for mental health research. The donor admits he and his wife had first planned to give the money to cancer research. "But," he says, "Lloyd Craig talked to me at a meeting, and we decided to help in an area where no one seems to be doing too much. Maybe this will make a little tiny bit of difference."

For UBC's Piper, Zis and Young, finding the insulin for this disease is the goal

Already, their gift has had an enormous impact. The province matched the $10-million donation, and in March, Premier Campbell and UBC's Piper announced the creation of the UBC Institute of Mental Health, home to a chair in child and adolescent psychiatry, a chair in geriatric psychiatry and depression and a chair in psychotherapy. The new institute will build on UBC's already significant brain trust, including bipolar expert Lakshmi Yatham, frontal lobe expert Adele Diamond, mood disorder expert Raymond Lam, Max Cynader at the Brain Research Centre, and renowned neuroscientist Anthony Phillips. Says Phillips, who is the director of the new institute: "The B.C. Leadership Chair is separate, but it proved we could attract a first-class candidate. Once you have this critical mass, the prospects of hiring others of great stature increases enormously."

If brain research is the last frontier of medical science, there is every reason to believe these scientists may play a key role in conquering that territory. They will be coming into a very fertile, supportive environment. In the past five years, Zis and his team have quadrupled the amount of external research funding to their department—and that was before the institute was created. "We're about 25 years behind the rest of medical research," says Young, "but we're catching up fast." Phillips agrees. "Obviously, it's easier to put a man on the moon than to find a cure for depression," he says. "But we now have the capacity to use pharmaco-genomics. Within the next five years, we'll be able to predict how a certain individual will respond to a certain drug."

If finding the insulin for this complex disease is the ultimate goal, a growing number of Canadians deserve credit for cracking the code of silence around depression and suicide. In 1993, Doris Sommer Rotenberg led the campaign to establish the world's first chair in suicide studies at the University of Toronto, in memory of her son Arthur, who had battled manic depression. Former federal finance minister Michael Wilson, whose son Cameron took his life in 1995, has become one of the most tireless champions of the cause. Now a special adviser to Treasury Board

ON THE WEB For a list of online resources to help individuals and families coping with this illness, visit *www.macleans.ca/depression*

PHOTOGRAPH BY CHRISTOPHER J. MORRIS

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President Reg Alcock and federal Minister of Health Ujjal Dosanjh on mental health issues in the federal workplace, Wilson is also senior chairman of the Global Business and Economic Roundtable on Addiction and Mental Health. Founded in 1998 by Bill Wilkerson, the former head of Liberty Health whose first wife took her life, the round table has captured corporate attention by putting a price tag on the cost of mental health. Now, their group is acting as the catalyst for a major research initiative, partnering the country's major banks and insurers with the Canadian Institutes of Health Research. Says Wilkerson. "We want to incite their will to act."

The ultimate goal is to build widespread support for a national strategy on mental health and suicide. Is that likely? There are high hopes that Senator Michael Kirby's upcoming report on mental health will trigger positive action. Not a minute too soon, says Wilson. "Our attitude to depression and suicide is a national shame."



Wilkerson, the Craigs and Wilson are fighting for a national strategy on mental health

'GINNY AND I are foot soldiers looking for other foot soldiers in the fight against depression-related suicide'

According to David Litts, former special adviser for suicide prevention to the U.S. surgeon general, there are three key elements to leading major change. "It takes political will, a knowledge base and a social strategy," says Litts. "However, you can't get anything going without survivors, because no one can make the case more strongly than someone who has experienced that terrible loss." If Litts is correct, British Columbia is setting an impressive example. Says Premier Campbell: "What's my hope? The rest of Canada will look to B.C. and say: 'There's a province that's making progress.'" But Campbell refuses to take credit. "The best that government can do is be a facilitator," he says. "Lloyd and Heather made the difference here—they played the leadership role."

As of this month, the Kelty Patrick Dennehy Foundation will have raised $1.7 million. Having kept their commitment to the UBC chair initiative, Ginny and Kerry Dennehy have now pledged $1 million toward the the Child and Adolescent Mental Health Centre at B.C. Children's Hospital, due to open next year. Meanwhile, the Craigs have launched the B.C. chapter of the round table, of which they are co-chairs. As well, they will continue to raise funds to support UBC research on depression. "Between the two of us, we have a lot of skills," says Heather. "We feel obliged to try to make a difference." But, she says, "we don't want to be the poster children for this disease. We don't want Gavin's death to define us."

Still, each year, the Craigs make sure they are out of town in early September for Gavin's birthday, a day that Heather says "is more charged than his death day." Two years ago, they were in Ireland, walking at dusk in Dublin, when they came across a beautiful square filled with people holding candles, listening to a men's choir and a string quartet. As they got closer, Heather noticed a small poster marking the event. It was Sept. 10—World Suicide Day, which the Irish call Bereaved by Suicide. They stopped and were given candles. "We stood silently with all the others, weeping in the dark for all the loved ones we had lost."

She tells the story, sitting in a private booth in a Toronto restaurant. It's late in the afternoon, and the place is virtually empty, but she isn't finished. She has something important to say. "I wonder, if I could do it over again, what I would do differently? What could I tell others? I know I would ask my son more often if he was suicidal. I would be a better advocate. I would demand the right care because when a person is depressed, the stakes are so high." Her eyes are full of tears, but her voice is resolute. "You know, I used to think that Gavin was going to do something remarkable in the world. I still think that." M

PHOTOGRAPH BY SANDY NICHOLSON



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BRING BACK MAYOR McCHEESE!

Online petitions demand action on everything from the war in Iraq to Dolly Parton's take on classic rock

CRAIG MacBRIDE wanted a Sausage McMuffin, but it was three in the afternoon—long past McDonald's breakfast hours. He knew just what to do. Logging on to *PetitionOnline.com*, he created a petition demanding "that McDonald's Restaurants of Canada add their Sausage McMuffin sandwich to their regular menu." He sent the link to some other pals as a joke—and a few of them signed. "It was a boring Friday at the office," explains the 26-year-old Mississauga, Ont., reporter. MacBride looked at the site again last week—six months after posting it—and found, to his surprise, that 10 strangers had also signed his gag petition, for a total of 21. "It would be fun to do one every Friday as a joke," he says. "But I don't have that kind of patience."

Many do. The site has 30,000-plus running petitions, with more than 35 million signatures. According to site coordinator Kevin Matthews, the joke ones are a small proportion, but the more serious the issue, the more signatures collected. (Currently, one denouncing racist comments made in a Paltalk Internet chat room is at 747,698 signatures.) The decision of whether (or when) to send a petition to its intended audience is up to the individual who starts it—although the site will provide a hard copy if desired.

After the site was launched in 1999, the first petition to spark a groundswell of activity was one to send Elián González (the shipwrecked child at the centre of a custody battle between Miami and Cuban relatives) back to Cuba with his father. And a 2001 petition addressed to NASCAR to retire the legendary Dale Earnhardt's number was the first to break 100,000 signatures. "While NASCAR didn't budge on the car number," says Matthews, who's based in Eugene, Ore., "the petition became a sort of electronic online mourning wall, and people wrote incredibly moving things."

Competitors have popped up over the years, but *PetitionOnline.com* remains the most popular of its kind. Most of the site's petitions reflect personal beefs or obsessions. McDonald's is a common target: 281 people want more vegetarian options, 400 people demand a boycott over the company's support of the Jewish United Fund and 1,703 demand the return of Mayor McCheese to the restaurant's advertising campaign. Oprah also gets an earful—from the 244 begging her to invite Vanessa Paradis (Johnny Depp's partner) on to the show, to the 93 signees who believe Oprah is "manipulating the image of women status in Islam [sic]." Back in 2004, 61 people were hoping John Kerry would choose the talk-show host as a running mate.

There are lots of petitions addressed to current governing bodies, asking for clemency for individual prisoners, protection of archaeological sites and an "end to violence and slaughter of innocent victims in Iraq." Many petitions fall into the serious-to-some, ridiculous-to-others category. They include a boycott of *Saturday Night Live* over its insensitivity to Michael Jackson (3,330 signatures), a plea to restaurants to provide nutritional information (33,780 signees); and a request that Canadian networks air in the U.S., fuelled by the fact that some Americans want to see unaired episodes of *Degrassi: The Next Generation* (26 supporters).

Last week, Alan Bennett's petition expressing "extreme dismay" with Air Canada's new pet policy (animals can no longer be carried as excess baggage, which means higher costs) was one of the site's most popular. The Beachville, Ont.–based director of the Canadian Kennel Club has collected 2,230 names in one week—and plans on printing the petition himself and sending it to the airline's Montreal office. Meanwhile, Patrick Healey of Alberton, P.E.I., started an online petition to reinstate softball as an Olympic sport for the 2012 London Games—and has a whopping 54,395 signatures.

While there's a chance Air Canada and the International Olympic Committee will rethink their policies, many petitions are too silly to make a stir. It's doubtful the UN will consider the request of 14 people, eight of them Canadian, to add a new day to the weekend between Friday and Saturday and named Plunday. Nor did Dolly Parton heed the 37 people who maintain "the classic rock genre should be off limits" to her. On her latest CD, she covers *Crimson and Clover* and *Me and Bobby McGee*. Sorry, y'all. M

FROM LEFT: TINA FINEBERG/AP; EVERETT COLLECTION; KAREN MOSKOWITZ; JOHN HAYES/AP; EVERETT COLLECTION

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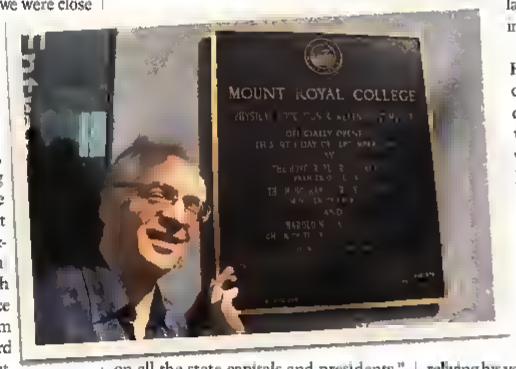
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BIG MAN ON CAMPUSES

Steve Lake's goal is to visit 500 colleges that don't look like his alma mater

STEVE LAKE MAY HAVE only a bachelor of arts degree from Concordia University and a hotel administration degree from a community college in Las Vegas, but he has been to 324 universities. For the past two decades, the 55-year-old, who was born and raised in Montreal, has majored in Visiting Campuses. "My ultimate goal is to visit 500," he says over the phone from Las Vegas, where he works as a pit boss at Caesars Palace. "I only visit the colleges and universities that have four-year programs. Last year, I went to 55 colleges. Out of those 55, I visited 40 in one week."

He began his "hobby" in 1984, when he went to Boston on his honeymoon. "We were driving in the New England states, and I thought, 'Hey, we're near Harvard. Why don't we check it out?' Then we were close to Dartmouth, so we went, and then we were close to Brown, so we went. It just spurred me on. There are so many beautiful schools, especially the Ivy League ones."



It's heartwarming, he says, watching students walking around campus, or lying on the grass studying. Lake missed out on the "beautiful campus" experience. "When I went to Concordia there wasn't even an inch of grass. It was like one big office building. We took escalators from one class to another." After word of his college collecting got out, the Concordia alumni magazine profiled him. "I didn't mention that I wasn't exactly enamoured with the school," he says.

In his first year at Concordia, Lake spent more time playing gin rummy than studying. "I was pretty good at it," he says. "But I didn't do well in school. My mother moved to L.A. in my second year, and so I went to school there, and did two years in one because I was so mad at myself for screwing up first year. I reapplied to Concordia for my third year and graduated."

Ever since he was a teenager, Lake had been captivated with Vegas. But after moving to Sin City when he graduated, he lost all interest in gambling. He had other aspirations. Before deciding to visit 500 campuses, he set out to see a ball game at every major league ballpark. By 1997, he'd managed to do just that, "but every year now a new park is built somewhere so I'm seven ballparks behind." He's also visited every state capital. "When I was a child, my dad used to test me on all the state capitals and presidents," he says. "That's why I did that." Lake also wanted to become a life master in bridge. Done. In 1980. "I'm always shooting for something."

> 'I'm kind of like Woody Allen,' says Lake. 'I just appear out of nowhere.'

But it's visiting campuses that has really taken over his free time. Where he used to plan his trips to universities around his vacations, he now plans vacations around universities he wants to see. Lake's travel companion is his wife, whom he met when he was working as a pit boss at the former Dunes Hotel in Vegas (now the Bellagio). She was working at the front desk. "We knew each other casually for four years and then I asked her out. After the first date, that was it. We've been married for 21 years." He says his wife is a "good sport" when it comes to his pastime. "She's been to about 100 campuses with me. In Pennsylvania, I visited 40 colleges in one day. She didn't come along for that. It's not fun for her to have to get up at 7 a.m. and run from place to place."

Armed with the guidebook *Peterson's Four Year Colleges* (he checks off the ones he's been to), Lake doesn't have a set plan for his campus visits. "I'll look at the architecture. I'll go to the bookstore and buy a notebook or T-shirt. I have about 50 T-shirts now. I pick up the student newspaper. If it's lunchtime, I'll eat in the cafeteria." (The best meal he's had was a lasagna dish at Moravian College in Bethlehem, Penn.)

Sometimes he'll sit in on a class. He happened to be at the College of Charleston in South Carolina during a graduation ceremony, which he attended. At the University of Delaware in Newark, he walked into an empty classroom, picked up a piece of chalk and wrote on the blackboard: "Steve Lake was here. This is my 305th campus."

"I'm kind of like Woody Allen. I just appear out of nowhere," he says.

Visiting schools is not about reliving his youth. "The funny thing is, now when I walk into a school, I'm occasionally mistaken for a professor."

Lake has visited about 25 campuses in Canada—his favourite, beauty-wise, being Acadia in Nova Scotia. He also liked Thompson Rivers University in Kamloops, B.C. "It used to be called University College of the Cariboo. Isn't that fascinating?" In the U.S., he finds Colgate University in Hamilton, N.Y., to be the most stunning campus.

"I might not call it quits at 500," he says. "But it may become less of a priority." No worries—Lake has a minor 2005. So far, he's been to about 27 of them. "I'm definitely going to start keeping tabs on that next."

STEVE LAKE





DATING A GIANT APE

The Indiana Jones of McMaster University makes an important discovery

JACK RINK doesn't shy away from the many comparisons he gets to Indiana Jones, the movie character who is part professor, part daring explorer. Rink is, after all, a globe-trotting professor (at McMaster University), a member of the prestigious Explorers Club in New York City, and like the character made famous by Harrison Ford, seems to have had at least a passing aversion to snakes.

"People always say, 'Oh, you sound like you're Indiana Jones roaming around. Where's your hat?' " says Rink, who in his jeans and scuffed boots dresses the explorer part, minus the fedora and whip. "I wouldn't say it's total flim-flam," he adds, sitting in his university office. His fresh tan from a recent trip to China stands out in the chilly hallways of the university in late autumn, underscoring that he's someone not inclined to linger in his lab.

The 50-year-old's expeditions, to places like Indonesia, Tanzania and China, may not be as action-filled as a Hollywood film, but they have nonetheless been scientifically important. His latest discovery, a scientific first, which McMaster plans to announce this week, was made during trips to southern China over the past few years and concerns a little-understood giant ape called *Gigantopithecus blacki*, the largest primate known to have roamed the earth. From fossil remains found in various caves he visited, Rink has been able to date the existence of the creature, thanks to a technique pioneered at McMaster. Using teeth from the giant ape, Rink found that the now extinct animal lived between one million and as recently as 100,000 years ago in Southeast Asia at the same time humans did, or in "relatively recent geological history," he says.

Explorers Club member Rink in China's Guangxi Zhuang region

Rink has earned something of an international reputation for his ability to date fossil remains, namely teeth, that are found in caves—a job that can be unpredictable at best. Searching the

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caves in China's Guangxi Zhuang region, a few hundred kilometres from the Vietnam border, for instance, involved "bushwhacking with machetes" about 70 to 100 m above a river valley, and at one point hanging onto a slippery rock face 10 m up from the safest ledge, wondering why he hadn't brought climbing gear or rope.

Before Rink's discovery, no one had visited the remote caves and taken the necessary measurements for dating the so-called King Kong of the primate world, which stood about 10 feet tall. It didn't help that little is known about the ape, since no remains other than teeth and jaw bones have ever been found. One theory, says Rink, is that porcupines gnawed at the bones for calcium, but couldn't eat through the much tougher tooth enamel.

Fortunately, teeth are the essential pieces for the dating technique called electron spin resonance, a complex procedure that involves measuring radiation that passes through objects over hundreds of thousands of years. "The tooth enamel is like a piece of photographic film," explains Rink. "So we can develop the film in a lab and see how much radiation penetrated the enamel." Rink used this same technique to help date one of the most talked-about scientific discoveries of recent years: fossil remains of a tiny species of human ancestors, dubbed the "hobbit people," that were discovered in a cave in Indonesia.



The so-called King Kong of the primate world stood about 10 feet tall

Rink caught the explorer's bug early in life at his childhood home on the outskirts of Jacksonville, Fla., where he roamed around with BB guns in the pine woodlands just beyond his backyard. "We spent all our time hanging out in the creek, building dams, killing rattlesnakes and water moccasins." By his later teens, he was scuba diving Florida's freshwater springs and rivers, where he once found ancient stone tools. In first-year university he took a geology course, "and it was like getting hit over the head with a hammer," he said. "I knew as soon as I took that course I was going to be a geologist."

While doing his Ph.D. at Florida State, Rink heard about the work being done at McMaster, applying electron spin resonance to archaeology. The professor at the forefront of the research was Henry Schwarcz, who later became Rink's mentor. Now a professor emeritus at McMaster, Schwarcz says the desire to explore is an essential trait for a person in Rink's profession. "He's just got the passion to want to pursue the interesting questions archaeologists have. You can't solve them sitting around in an office. The challenge is out there in the field."

Rink's passion has lately veered well beyond mere archaeological questions. Since being invited to join the Explorers Club, once the launching point of many famous polar expeditions, he's been inspired to try making documentaries about his travels. He has also set up a course at McMaster that's all about exploration, focusing in part on the journals of some famous explorers, such as Charles Darwin and the Apollo astronaut and geologist Jack Schmitt. "I want to get students reading the original narratives of discovery," he says.

The course is also inspired by his own expeditions, which he says are not unlike those of the 19th-century English scientists who explored Egypt and Africa. "I have this privileged experience of the country, where I'm taken out into the bush, I meet local people, I interact with people," he says. "I don't think I have that chemical that stops you from taking risks." M

COURTESY OF JACK RINK





'HOW WAS HE, MOM?'

In the real world, kids just don't want to know

ON TV IT LOOKS SO NATURAL. A mother—attractive, in her early 40s—and her bosom buddy daughter, twentysomething, are chatting about mom's date the night before. "How was he?" the kid asks as mom pilots the family jalopy down the road. Mom prattles on. Nice guy. Dinner was great. "No, mom," the daughter insists with a knowing smile. "I mean, how *was* he?" Oh. Now we've got it. How was he in the sack?

This bit of chick talk is, in fact, a car ad. And we never get the answer, although the mom offers to tell all over lunch. Still, one's interest was piqued. The camaraderie of this intergenerational tête-à-tête seemed so remarkable, *Maclean's* tried to find out if it exists on this side of the TV screen. After all, there are about one million single-parent families in Canada. Fallow ground. Do single moms and daughters really discuss sex? Not just sex in the abstract but down-and-dirty details? One single Mississauga, Ont., man in his 50s, who has dated his share of moms with teenagers, reported that most of the kids didn't want to discuss *any* of his merits with their moms and generally resented the drain on their mothers' time. A middle-aged woman in Kingston, Ont.—single, with a daughter in university—was good enough to bring the question to her women's group. A couple of her friends whose new dates had bombed with their kids burst into tears, she said, and the subject was closed.

"Those women have to get a life," says elementary schoolteacher Nicole Krzyzaniak, a 42-year-old single mom with three children who has been dating the same guy for the past year. "There is so much pleasure in partnering up. People weren't meant to be alone." Still, Krzyzaniak doesn't discuss anything sexual with her kids—her eldest daughter is just 13—and says such frank talks are unlikely even in the next several years. "I think that car ad is hilarious," Krzyzaniak adds—her daughter definitely does not want to know what she and her boyfriend are doing behind closed doors. In fact, whenever they even snuggle out in the open on the couch in her Bolton, Ont., home "the kids run over and jump in between us." If she ever offered to discuss her sex life, "they would most likely scream, 'Oh, gross, Mom!' "

Toronto parenting expert Karyn Gordon agrees. "Details of a parent's sex life—what positions they were in last Friday night—totally make children uncomfortable, even children in their 20s," she says. "I have spent thousands of hours in my office listening to kids spill their guts, and I have never met one like that daughter in the ad. Sure it's important to talk about the benefits of sexual intimacy. But it is not appropriate for parents—single or married—to go into the details of their sex lives with their kids. It's an unspoken rule."

Most kids wouldn't dream of telling their moms about their sex lives either. A single, 43-year-old editor in Toronto, who prefers to remain anonymous, has a 16-year-old son and says, "Sex is huge for him right now. At his age, kids spend all their time thinking about how to get it. But if he is getting it, he would never tell me." Whenever she brings a man home for the night—and she does, occasionally—her son reacts awkwardly. "You know that queasy feeling you get when you think of your own mom having sex?" she asks.

Of course, mothers and daughters as equals and best friends is a popular theme on TV—in the drama *Gilmore Girls*, the thirtysomething mom and her college-age daughter supposedly continue to grow up together. In real life, children want their parents to be parents, says White Rock, B.C., sex therapist Anne E. Davies. "I saw that car ad," she says, "and in a flash, it gave me an uneasy feeling in my stomach." Davies, who has been practising since 1979 and has a largely female clientele, says the times are more conservative than when she started out. Sex is a taboo subject, especially between moms and their kids. "I was single for about five years when my kids were in their early teens," Davies says, "and we did have discussions about sex, but not in that context. They certainly never asked me how my night in bed was, and I wouldn't have asked them."

So do her single women clients with kids bring guys home for the night? "Yes, but some are very cautious about it, and some are not," says Davies. Either way, unless the relationship is very serious, "it will bother the kids. It will make them uncomfortable. This is their mother, after all." Says Krzyzaniak, "I didn't even think of introducing someone new for a year after I split up with my ex. Then I tried to be open about it. Maybe our moms did it better. They just hooked up with some guy in private and then they said, 'Okay, kids, this is your new stepdaddy' "

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The College of Denturists of Ontario

The College of Denturists of Ontario (CDO) is a member of the Federation of Regulated Health Colleges of Ontario and is the regulatory body that certifies (licenses) and governs Denturists within the province of Ontario The mandate of the CDO is to serve the public interest by maintaining the highest standards of qualification and ethics for its members in accordance with the Regulated Health Professions Act and the Denturism Act.

Denturists must be registered (licensed) with the College of Denturists of Ontario in order to practice in Ontario. Their Certificate of Registration (license) must be prominently displayed in their office

Excerpted from the Human Resources Development Canada (HRDC) *Job Futures* website

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COOL SUPPLIES

Canada's first university-run sex shop aims to educate while it titillates

ON A CHILLY FRIDAY afternoon, Sara Yonson is looking for some decent lubrication. The slight second-year engineering student is at once embarrassed and overwhelmed by the choices lining a wall at McGill University's Shagalicious Shop, the school's latest and boldest effort yet to sell its students on safe, pleasurable sex. There are nine types in all, in different sizes and varieties. Some are flavoured. Some contain hemp, of all things Others have names--Probe, Dew, Elbow Grease--that intrigue the decidedly inquisitive 24-year old "What's the difference between glycerin and non-glycerin?" she asks Antoine Beauchemin, Shagalicious's resident "sexpert," who dabs out a bit of glycerin goo onto his hand. "With this stuff, if you play with it, you'll see it's still on your fingers," he says "If you use this one, it'll stay on the condom"

In the end, Yonson opts for a big bottle of Slippery Stuff. "It's $6 50," she says "That's a much better buy, and in the end, it's all lube." Slippery Stuff in hand, she leaves, a satisfied customer. Marius Wolfe shrugs from behind the cash "This is my life now," he says Well-coiffed and perpetually bemused, the 35-year-old Wolfe is a former professional dancer, software instructor, and McGill's current health promotion officer who opened the Shagalicious Shop in September. It is the only university-run safe-sex store in the country, flaunting its sex positive message to anyone walking through the front door.

"Sexpert" Solenne Thompson (left) shows off product at McGill's Shagalicious

Wolfe has fashioned the store, located in a tiny corner of McGill's student health building, in mid-'70s tacky-chic, replete with lava lamps, candles and Marvin Gaye on the stereo The 25 or so brands of condoms, along with assorted gels, lubes and gizmos, are advertised with comic book bubble captions. "Make oral sex safer and tastier! Use a dental dam!" reads one. If students need further help, they can talk to one of the student volunteer sexperts roaming the store, who give out information on everything from STDs to pregnancy to proper condom usage Just about

CHRISTINNE MUSCHI





Rita Kotzia, (left) a store coordinator. McGill students David Ritchie and Gosia Radaczynska (right) cavort with lickable massage balm

everything is sold at wholesale prices, and the permanent house special is 12 condoms for $2.99—a bargain for the Kraft Dinner set. They are sold individually, meaning shoppers can mix and match Durex, Trojan and Lifestyles at will.

Run by McGill Health Services, the "Shag Shop" is meant to take the stigma out of buying contraception. Wolfe says he pitched the idea earlier this year "when I noticed that [McGill] wasn't selling any condoms to its students"—mostly because they had to give their names and go through a nurse to get them. He bristles at the suggestion that he is promoting sex, and notes that all Canadian universities offer cut-rate contraception and dole out sex advice, usually at health offices and student centres. All he did, Wolfe says, is put it in a nice (if slightly cheesy) package.

"Other universities do the same thing, but do they actually reach the people?" he asks. "To me, the important thing isn't to reach the person who is already super responsible, because they are going to use condoms anyways. The people I need to get into here are the party lads, the bad boys. It's about broadening the appeal, and getting the safe sex message out. If you start preaching and telling them what to do, you'll lose them."

In Quebec, the message is particularly prescient. The province has one of the highest abortion rates in the industrialized world. In 2002, nearly one pregnancy in three was terminated voluntarily. McGill nurse Sharon Jolley finds it difficult to fathom why there are so many abortions, particularly when so much is known about contraception. "There should not be such a thing as an unwanted pregnancy," she says.

For all their supposed savvy, Wolfe says he's continually surprised at how ignorant the average university student is about the risks of sex. Part of the problem, as he sees it, is the dearth of proper education. "For whatever reason, there is currently a lull in safe-sex campaigns," Wolfe says. "I want to bring the same common sense, accessible approach to the next generation. We can't assume they know the information, or have the interpersonal skills to carry out decisions around sexual health."

THE SHOP offers nine types of lubricant—with names like Dew and Elbow Grease. Some contain hemp, of all things.

Since the store opened in late September, Wolfe says he has received only one complaint—about a novelty product called Slut Soap. And other Canadian universities are looking on a little jealously. "I'm not sure if the students would support the idea of a store, but I'm sure we could get away with something like that," said University of Calgary student union president Bryan West. Though the school does offer peer sex advice, its contraception program extends only as far as the fishbowl full of free condoms in the student union office. At the University of British Columbia, meanwhile, student president Spencer Keys isn't sure if his school would be open to such a store. "It would come down to how tasteful it is," he said. "We have a Wellness Centre here. They sell condoms—and dildos, now that I think of it. But they don't advertise it."

Wolfe is setting up a delivery service (because "students are lazy," he says), and an online store where students can shop anonymously. In the meantime, however, business is happily steady at the Shag Shop. On this afternoon, the store is full of students. They joke with one another, ask a ton of questions—and, more importantly for Wolfe, buy a lot of condoms. Shortly before Yonson came in on a quest for lube, fellow McGill student Andy Savoy-Burke was stocking up. "It's like buying candy," he says, pointing at the buckets of condoms. He also likes the Shag's prices and the distinct lack of moral haughtiness one might find in, say, a doctor's office. "I can afford to have sex again, which is cool," says the second-year political science major. "Plus, I don't have to buy condoms next to the little old lady who tells me I should wait until I'm married." M

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NOT THE ANAL PROBE!

People convinced they were abducted by aliens likely suffer from sleep paralysis



THIS IS HOW IT HAPPENS: in the middle of the night, you wake up. You're wide awake, eyes open, but flat on your back, unable to move. You feel a sinister presence in the room, just beyond the edge of your sight. Then you can hear it, padding about softly—maybe even see it, a formless shape moving in the corner. By now your heart is pounding and you are trying to scream, but you can't make a sound. The presence comes closer, climbs on your chest, crushes you. You feel your muscles clench, and electric currents flow through you. Then, after about 30 seconds that can feel a whole lot longer, it all stops, and you can move again.

You've just been kidnapped by aliens.

Or maybe not. Scientists will tell you that the cause is a bout of sleep paralysis, something that has happened to perhaps a fifth of humanity, and which has been explained in various terrifying ways over the centuries. In the past few decades, though, Door No. 1, the alien option, has been the answer for a tiny but vocal minority of (mostly) American victims. Why that should be so is the subject of Harvard University psychologist Susan Clancy's wryly sympathetic book, *Abducted: How People Come to Believe They Were Kidnapped by Aliens*.

Clancy is a witty writer with a keen eye for irony. Unlike many abduction researchers, she completely dismisses the possibility there's any truth to abductees' claims. There's no evidence at all, Clancy says in an interview, or even an understandable rationale. "Why would beings advanced enough to cross interstellar space come here for the sole purpose of inserting objects in human rectums?" Her primary research interest lies in the area of false memory. She became interested in abductees precisely because few take their claims seriously. It struck Clancy that alien abduction offered a far less controversial way of studying "recovered" memories than did her earlier work with sexual abuse claimants.



ABDUCTED
Susan Clancy. Harvard University Press. $27.75

After being metaphorically tarred and feathered across the Internet by the abductee community, Clancy is considerably wiser about that idea now. But six years ago, when she purchased a newspaper ad asking, "Have you been abducted by aliens?" she had no idea what she was about to encounter. By 10:15 on the first morning, her voice mail was full, and within a month, even after screening out the calls that came from mental hospitals and detox centres, Clancy began to meet the genuine article: otherwise sane and even stolid middle-class citizens utterly convinced of their otherworldly experiences.

Exasperating as Clancy found their stubborn refusal to listen to her alternative

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explanations—"it couldn't have been sleep paralysis," one woman countered, "because I wasn't asleep, I was on the couch watching *Letterman*"—she grew to sympathize with most. Particularly after she had her own episode of sleep paralysis. The phenomenon occurs when a sleeper returns to consciousness before hormones secreted by the body during sleep wear off. (Those hormones relax certain muscles and prevent people from acting out their dreams in a potentially harmful way. The opposite problem—insufficient hormones or wearing off too soon—can lead to sleepwalking.) Sleep paralysis can happen to anyone, but shift workers, parents of newborns and, Clancy jokes, "academics trying to finish grant applications" are particularly susceptible.

Clancy, now a 35-year-old mother of three young children, embodied the last two risk factors, and even at the time was unsurprised when it happened to her. But knowledge didn't mitigate the terror. "The physicality of it was overwhelming." There were parts of the episode, she says now, that she decided to keep out of the book. "I was lying on the couch, not watching *Letterman*, when suddenly I'm spinning like a rotisserie chicken and overcome with these feelings." Feelings? "Yeah, hot and cold, and, ah, erotic."

How people explain such powerful experiences comes down to what Clancy calls prevailing "cultural narratives." In much of the world today, and in all of it a few centuries ago, such nocturnal events would be viewed as supernatural: a visitation by angels, demons, succubi or witches. In the increasingly secular West, such explanations no longer work for most people. That doesn't mean they're willing to accept the same rational explanation that satisfies a trained scientist like Clancy—*her* cultural narrative, so to speak. Science simply doesn't offer the same emotional comfort religion once did. For many people, sleep paralysis is too and, too *small* a cause. Instead, people turn to another kind of "rational" narrative. It's widely accepted that extraterrestrial life—unlike ghosts and witches—is a fact, even if few believe that aliens (and their probes) have actually landed.

A key factor, Clancy says, is that abductees are the sort who think that "everything that happens to them is important." She means no criticism by that remark, only that they are not among the millions of people with bruises they have no memory of, or who wake up on the floor beside their beds and simply shrug it off. For abductees, those are not phenomena to ignore. "Here's the typical road in shorthand," she says. "Someone feels alienated, not fitting in, unhappy sexually, socially. They remember their sleep paralysis episode. They see a TV show or a bestselling book about abduction and they think, 'My God, was that





what happened to me?' They get on the Web, they find an abduction researcher. He suggests hypnotism. Over one—some people are very quick—to 15 sessions the therapist keeps questioning the sleep paralysis memories: the shape in the corner, did it have eyes? What colour? What shape? And the 'memories' come out."

The *Outer Limits* alien that likely inspired the Hills' abduction 'memory'

Abductees who do remember also score high on psychiatry's "schizotypy" index. That doesn't mean they're schizophrenic, but it does indicate a tendency toward magical thinking and fantasy. Such people easily confuse memories of real events with memories from movies and books. (Some high-schizotypy people experience such rich visual imagery, Clancy dryly notes, "that they can achieve orgasm in the absence of any physical stimulation, a skill that should be taught.") Under hypnosis, essentially a relaxation technique that has been known to induce false memories even in the most unimaginative subjects, they blossom.

And what they remember is what they encountered in a rich and ever-growing body of abduction stories. "Before 1962," says Clancy, who has viewed dozens of sci-fi films and TV shows, "there were movies and stories about UFOs and aliens but no abductions." Then came a handful of *Outer Limits* TV episodes, and in 1964 Betty and Barney Hill, the Adam and Eve of the abductee community, underwent hypnosis to get to the bottom of Betty's nightmares. They remembered being kidnapped, and Barney drew the first picture of the now iconic almond-eyed aliens that dominate most abduction tales. His session took place 12 days after *Outer Limits* broadcast an episode featuring the same eyes on its aliens. The Hills' story became a bestselling book in 1966 and a TV movie nine years later; in the wake of the movie, abduction reports skyrocketed from an average of two a year to 50.

Every account since has built on previous ones. There is a treasure chest of Jungian archetypes in the stories, and ample scope for Freudian analysis to boot—tales of the anal probe peaked in the 1980s, the decade when AIDS' terrible toll among gays was prominently featured in news media. But for all their tendency to magical thinking, Clancy says, abductees show little genuine imagination. Their captors not only look alike, they're identical in their banality. "No single alien I've ever heard described is as fascinating and surprising as the average human child."

Once the "memories" have been recovered, Clancy says, abductees rarely recant. They now have an emotionally compelling, logically satisfying answer to any alienation they've ever felt, as well as to the terror of a sleep episode. And they can justifiably view themselves as special, people with a purpose in life, even if that purpose is to serve the mysterious plans of an alien being. Cultural narratives do change, Clancy notes—witness how extraterrestrials replaced older nightmare explanations—and there's no telling how long the alien abduction theory will rule. "But what won't change is that people are always going to be looking for answers, and those answers will be more than science can offer. There are always going to be weird beliefs."

EVERETT COLLECTION (TOP); AP



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Rick Mercer's favourite moments from last season







Flying with the Snowbirds I haven't gone that fast or had that much adrenaline flowing through my blood since my older brother got his driver's license back in the mid eighties

My trips to Western Canada I don't know if I am alleviating or adding to western alienation by spending so much time there but what the hell I now own a white cowboy hat courtesy of the mayor of Calgary and I am in fact an official Honorary Calgarian I hope that's good for one of those rebate cheques

Hanging in the 'Knife My Canada includes driving around Yellowknife with a giant Cree guy, with hands the size of my head, buying caribou from hunters and doing doughnuts in the van on the ice road!

My visits to Ottawa I loved making snow angels on Parliament Hill with Ed Broadbent almost as much as I loved drinking beer with him at D'Arcys pub afterwards

Rolling a joint with Pierre Berton This show is so topical I never know what is going to be on it from week to week I'm all about keeping up with current events I loved when Pierre Berton came on the show and taught Canada how to roll a joint I hope we can top that this year but so far Mr Berton has yet to return my phone calls •

CBC BIG TICKET

NOVEMBER HIGHLIGHTS



The Secret Mulroney Tapes

November 21
at 8 pm /8:30 NT

Listen to Peter C Newman's controversial recordings and gain an unprecedented insight into the nasty business of politics and the media

Intelligence

November 28
at 8 pm /8:30 NT

An intense drama that probes the cloak-and-dagger world of Canada's security and intelligence services

Starring Ian Tracey (Da Vinci's City Hall)





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NOVEMBER 2005

PRIME TIME LINEUP

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
7:00 pm	Royal Canadian Air Farce (Repeat)	This Hour Has 22 Minutes (Repeat)	The Rick Mercer Report (Repeat)	72 Hours: True Crime	The Red Green Show Farewell Season	CBC's Hockey Night In Canada	CFL on CBC Playoffs
	CORONATION ST. Coronation Street Monday to Friday 7:30 pm / 8 NT					EVERY SATURDAY NIGHT! Available in HDTV	
8:00 pm	CBC BIG TICKET NOVEMBER CHICAGO Nov. 14 8 pm / 8:30 NT	The Rick Mercer Report 8 pm / 8:30 NT	The Nature of Things With David Suzuki 8 pm / 8:30 NT	Canadian Antiques Roadshow	Royal Canadian Air Farce 8 pm / 8:30 NT	Games in November	Nov 13 2:30 pm ET – Scotiabank East Division Semi Final
		The Tournament Premieres Nov. 15 8:30 pm / 9 NT	This is Wonderland Premieres Nov. 23 8 pm / 8:30 NT		This Hour Has 22 Minutes 8:30 pm / 9 NT	Nov 12 Toronto @ Montreal 7 pm ET Colorado @ Calgary 10 pm ET	6 pm ET – Scotiabank West Division SemiFinal
9:00 pm	The Secret Mulroney Tapes Nov. 21 8 pm / 8:30 NT	Da Vinci's City Hall 9 pm / 9 NT	CBC News: the fifth estate Premieres Nov. 9 9 pm / 9:30 NT	the passionate eye	Just For Laughs	Nov 19 Atlanta @ Toronto 7 pm ET New Jersey @ Ottawa 7 pm ET (Ottawa only)	Nov 20 2:30 pm ET – Scotiabank East Division Championship
	Intelligence Nov. 28 8 pm / 8:30 NT					Chicago @ Edmonton 10 pm ET	6 pm ET – Scotiabank West Division Championship HD
10:00 pm	CBC News: The National with Peter Mansbridge Monday to Friday 10 pm / 10:30 NT 9 pm ET/PT on CBC Newsworld	CBCnews THE NATIONAL				Nov 26 Montreal @ Toronto 7 pm ET Boston @ Ottawa 7 pm ET (Ottawa only)	Nov 27 1pmET – Grey Cup Parade
						Vancouver @ Phoenix 10 pm ET	2 pm ET – Grey Cup 2004 lookback
						All times ET	3:30 pm ET – Walby's Warriors 8
							4 pm ET – Grey Cup Sunday
							5:30 pm ET – 93rd Grey Cup Championship HD
							All times ET

CBCnews

the fifth estate

WEDNESDAYS at 9 pm / 9:30 NT

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Since 9/11, the Canadian government has spent hundreds of millions of dollars improving security at our airports. But are we any safer?

November 9



A FEW BAD APPLES

New revelations in the shocking Abu Ghraib story lead to an investigation of the systemic use of torture in American military prisons and the U.S. government's role

November 16



GIVING DEATH A HAND

Acquitted by a jury for an alleged role in assisted suicides, is one BC grandmother a heroine? Or part of an international underground movement dealing in death?

November 23

George on hockey and politics

I'm looking forward to a long winter. My two favourite leagues of snipers and enforcers are back: the NHL and the House of Commons.

And maybe it's just me, but you gotta admit – both seasons seem oddly similar.

My beloved Habs are surging. And Quebec's pride is surging. Is another referendum around the corner? Vive le Kowu libre!

Alberta is back. Things out West haven't looked this good since the eighties. Guess we forgot why they call Edmonton - the OILERS.

In Ontario, the season's theme is "persecution". It's hard to say who's whining about the officiating more – Pat Quinn or Dalton McGuinty.

And with all the natural disasters, we need protection. Of course, Todd Bertuzzi is playing again. That sends a message to Mother Nature – don't get any funny ideas.



I may be losing my mind.
I see hockey everywhere I look.

Which brings us to Ottawa. Here's where the tidy little device falls apart. The Sens finally have a balanced line-up. As for the House of Commons? Well, the balance of power shifts on a daily basis.

And with all the anger on the Hill, let's hope the only shoot-outs this winter happen on the ice. •

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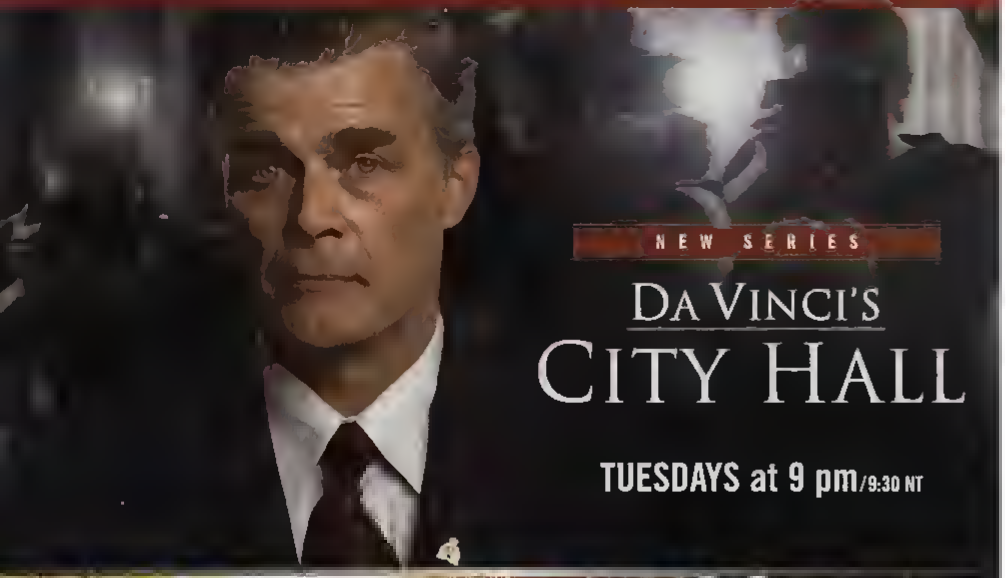


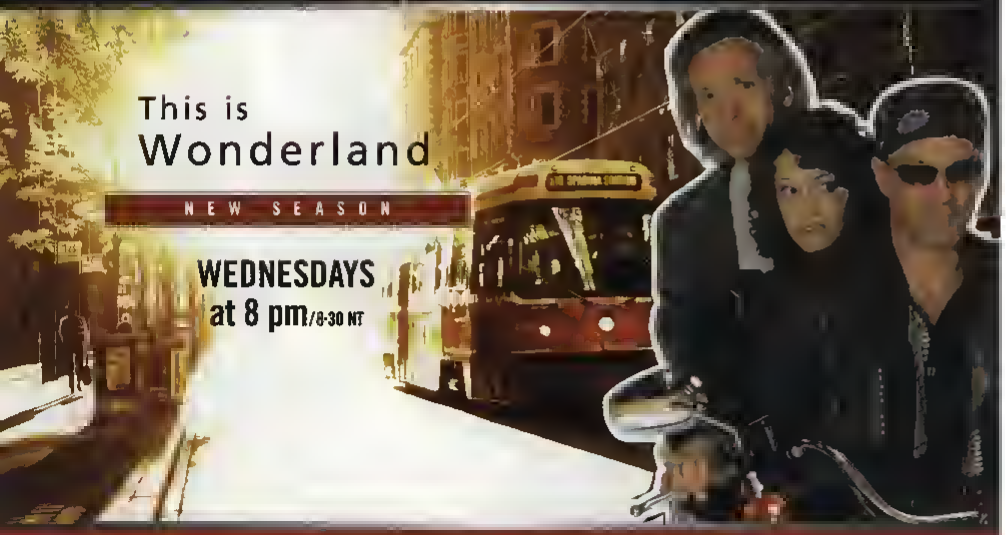
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BRIEFER MADNESS

The universe is grand and incomprehensible. So is Stephen Hawking.

A BRIEF HISTORY OF TIME, by the theoretical physicist and egghead celebrity Stephen Hawking, was released in 1988 and ranks among the bestselling books of the 20th century. Newly published this fall is *A Briefer History of Time*, the premise of which is that Hawking completely hosed us with that first book. Turns out it wasn't brief, after all. It wasn't easy to understand. Hell, it may not even have been about time—none of us made it past page 4.

Calling *A Brief History of Time* "impenetrable" is like calling Hitler "motivated." Hawking's professorial ramblings invoked in readers the urge to pick up and relocate to a less confusing universe. Indeed, the sum total of the knowledge we collectively retained from the book can be described as follows:

a) the universe is pretty big;

b) it's getting bigger;

c) despite what TV tells you, most solar systems probably don't boast a svelte alien space babe who makes hot interstellar love to visiting starship captains.



As its title suggests, *A Briefer History of Time* is shorter than its predecessor. The book's cover describes it as "more concise" and "more accessible." In its pages, there are more illustrations and far fewer equations. Long story short: the only way Hawking could have dumbed it down any further would have been to enlist Paris Hilton as a co-author, which would have cost him a certain amount of academic cred—but then again, it would have made the chapter on the Big Bang far more enrapturing. As it is, we can all eagerly anticipate the next edition of Hawking's book, *The Briefest History of Time*, which will consist in its entirety of the observation: "It sure flies when you're having fun."

In *A Briefer History of Time*, Hawking and his co-author, Leonard Mlodinow, delve (briefly) into the mysteries of dark matter and dark energy. They strive (briefly) to give a lucid explanation of string theory. Page after page, they do an excellent job of simply but forcefully conveying (not so briefly) the indisputable scientific fact that they have huge, giant brains. That said, the authors cannot offer a convincing explanation as to why, given that our universe contains more than 100 billion galaxies and each of these galaxies contains about 100 billion stars, we were all unfortunate enough to wind up orbiting the same one as Jessica Simpson.

Thanks largely to Hawking, attempting to explain the universe to average folk, and doing so using language that will reduce the risk of the side-effect known colloquially as Exploding Head Syndrome, has over the past 15 years become a burgeoning profit industry for brainiacs. *Big Bang*, a bestseller from 2004 by Simon Singh, features handwritten summary notes after each chapter, complete with amusing doodles. In *The Fabric of the Cosmos*, also published in 2004, physicist Brian Greene answers questions such as, "Could the universe exist without space and time?" with explanations that employ characters from *The X-Files*, *The Simpsons* and other pop-culture mainstays. It's a useful device, but frankly it's hard not to feel you're being talked down to when an author's description of the special theory of relativity includes the phrase, "Itchy, Scratchy and Apu on the train do not feel any motion." One can't help thinking that if Einstein were writing today, his publisher would ask him to explain the cosmological constant using the analogy of thong shopping with Cameron Diaz.

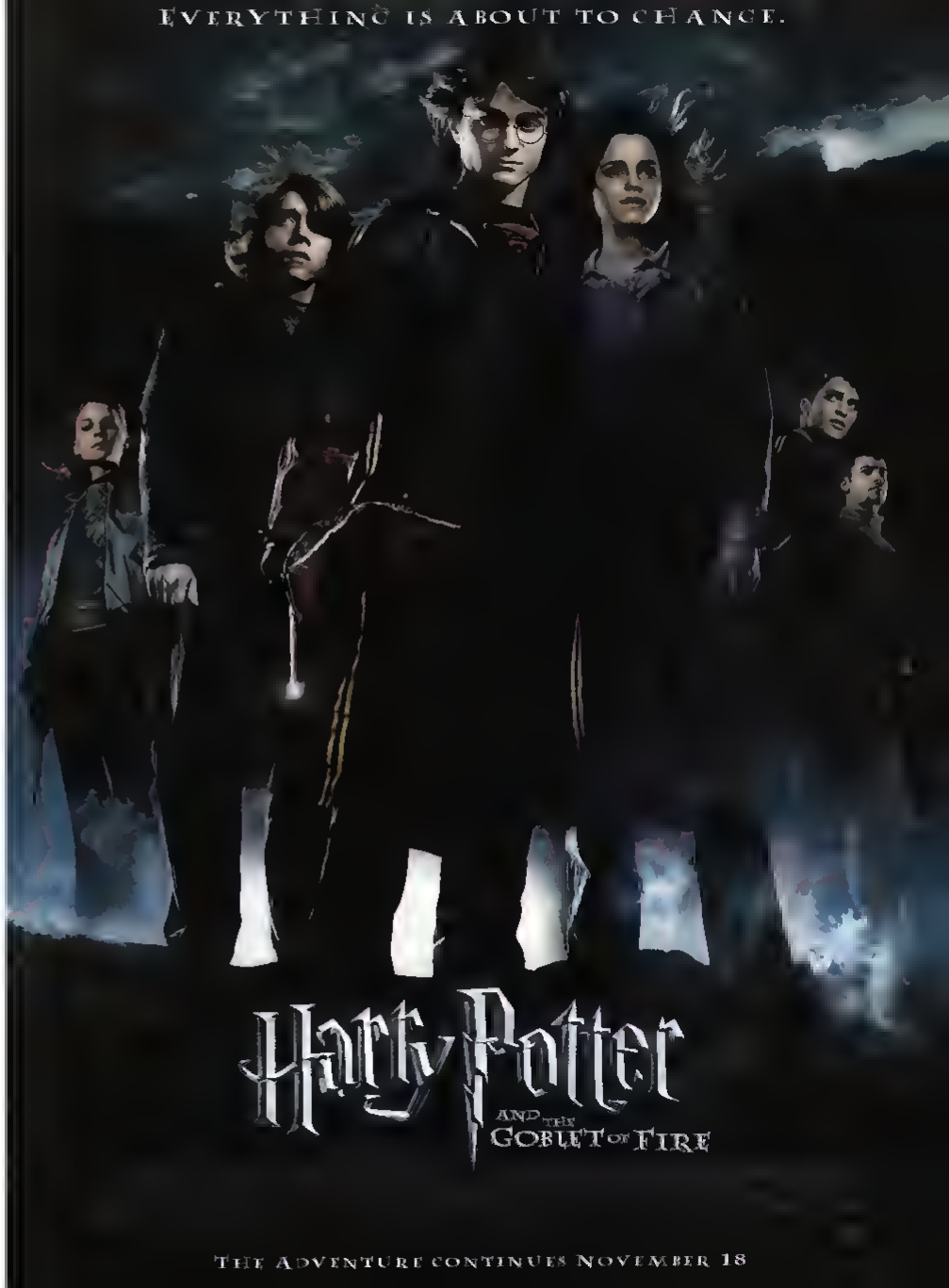
But simple sells. In mainstream publishing these days, you can't spell "physics" without "fun!" Seriously. You'll have to trust me on this one. I know you can't actually *see* the letters "f-u-n" in the word "physics" but they're in there, honest. It's like the universe itself—you have to take it on faith and just accept that it all exists, despite no visible evidence whatsoever. In that way, the universe is like neutrinos, cold fronts and Orlando Bloom's charisma.

Rest assured that if *A Briefer History of Time* performs well, a new publishing trend is inevitable—the adding of an "er" to an existing bestseller. Keep an eye out for the release of *The Redder Badge of Courage*, about an even braver guy, and *The Older Man and the Sea*, in which Santiago's aged father bellyaches for 200 pages about the rising price of worms. M

Scott Feschuk can be reached at sfeschuk@sympatico.ca

WE CAN all anticipate the next edition of his book, ***The Briefest History of Time***, **which will consist in its entirety of the observation: 'It sure flies when you're having fun'**

BERND KAMMERER, AP





KEIRA THE CONQUEROR

A ravishing actress's myriad charms blossom in *Pride and Prejudice*

IT WOULD BE A MISTAKE to get balled up trying to describe Keira Knightley's particular beauty. The dark, knowing eyes. The bold brows. And don't even think about the mouth. In a recent cover story in *Esquire*, beside a photo of the young British actress coolly revealing her right breast, a male writer knocked himself out trying to explain the thing she does with her mouth—the way "her pout breaks into a precariously wide smile, retracts into what looks like a sob, and then somehow transforms into an adoring half laugh." Guess you had to be there. Yes, there is a thing she does with her mouth, but there's no describing it. It's an English thing—the strong chin and the way she breaks her composure with a laugh that reveals her lower teeth. You see? There's no point. In trying to explain Hollywood's new It Girl, it's best to let the pictures do the talking—and turn instead to Jane Austen.

No author has set a more enduring prototype for the modern, girl-powered romantic comedy than Jane. (Surely by now she deserves a one-name moniker, like Madonna and Cher.) We're not just talking about the movies based on her novels (*Emma*, *Persuasion*, *Sense and Sensibility*, *Mansfield Park*...), or those influenced by them (*Clueless*, *Legally Blonde*). Without Austen's 19th-century precedent, it's hard to imagine *Sabrina*'s Audrey Hepburn, *Sleepless in Seattle*'s Meg Ryan, *Pretty Woman*'s Julia Roberts—or *Bend it Like Beckham*'s Keira Knightley.

In *Beckham*, a sports movie with Austen-like elements of misaligned romance and arranged marriage, Knightley didn't have the lead role. But as a scrawny, soccer-mad tomboy with a nimble London accent, she left a sharp impression. And even then, when she was just 16, her quick, darting intelligence could be summed up by the words Austen used to describe her most famous heroine, Elizabeth Bennet of *Pride and Prejudice*: "She had a lively, playful disposition, which delighted in anything ridiculous."

Now 20, this hardy English rose has blossomed with a string of eye-catching roles—from the free-thinking damsel who had her corset shucked by Johnny Depp in *Pirates of the Caribbean*, to the gun-toting, lap-dancing, chain-smoking bounty hunter in *Domino*. As the damsel, she seemed constricted, not just by the corset, but by the Boys' Own shenanigans of the movie. And as the reckless Domino Harvey, it seems she was trying a little too hard to prove she could join the Angelina Jolie camp of butch vixens.

But now, in an exhilarating new version of *Pride and Prejudice*, Knightley has found her stride as Austen's Elizabeth. Despite her physical charms—which make her somewhat overqualified to play a woman the author describes as "the second prettiest" of the five Bennet sisters—Knightley inhabits the character as if to the Austen manor born. This is a star-making performance.

Playing a character who leads with her mind, not her looks, is no small feat for someone who looks like Knightley. Yet there's nothing prohibitive about her allure. "Keira is obviously incredibly beautiful," Joe Wright, the British director of *Pride and Prejudice*, already covered a lot of ground. If she has the range, the It Girl could indeed become a superstar. She has the dark-eyed smoulder of Natalie Portman, but is a gamine without the gravitas. More like a sultry Audrey Hepburn. Then there's that laugh, Keira's flash of complicity. It's the equivalent of Julia's smile, disarming and a bit ungainly—the kind told *Maclean's*: "But also she seems quite normal. It seems we all could know her somehow. Like Julia Roberts, she doesn't alienate us. She doesn't threaten men or women." Then, slowly choosing his words, as if to say this is not just a director hyping his movie, Wright adds: "I think she will develop into one of the most important movie stars of her era."

For someone so young, Knightley has indiscretion of a pretty woman who hasn't altogether given up on being a kid.

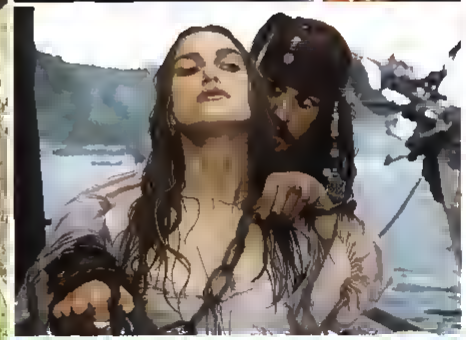
But Wright initially feared Knightley might be too glam for *Pride and Prejudice*. "Originally I wanted someone plainer to play Elizabeth," he says. "Darcy is attracted to her for the liveliness of her mind rather than anything else." The director arranged to see her in Montreal, where she was shooting *The Jacket*. Late at night, after his flight was delayed by a snowstorm, he met her in a hotel bar. "I discovered this scruffy tomboy who didn't at all conform to the preconceptions I had of her," he recalls. "That struck me as quite interesting, that Keira, being a tomboy, wouldn't have fitted the feminine ideal of the period, of 1797, when women were expected to be a lot more demure and curvaceous. Then I discovered her to be incredibly opinionated. She doesn't say what she thinks you want to hear. All those characteristics were again perfect for Elizabeth."

This new *Pride and Prejudice* has scenes of lavish spectacle. At times it threatens to turn into a tour of English homes and landscapes, the Lake District for Dummies. But Wright, who claims an affinity for "English realism," disdains the "chocolate-boxy" feel of Merchant Ivory period films. Adopting an earthier tone than the 1995 British miniseries of *Pride and Prejudice*, he does breathe fresh life into Austen's characters. With Matthew Macfadyen as Lizzie's stern object of desire, Brenda Blethyn as her hectic mother and Donald Sutherland as her kindly father, Wright has assembled a rich ensemble—crowned by an imperious Judi Dench as (dragon) Lady Catherine de Bourg. For the Bennet sisters, the 33-year-old director cast actors as young as Austen's characters (unlike the 1940 version with Laurence Olivier and Greer Garson, who were in their 30s). And his Bennet sisters tear through the movie with giddy, girlish abandon.

Knightley, who was 19 when she shot the movie, grounds that adolescent energy in a sensible confidence that makes her seem wise beyond her years. But then she has been acting professionally from the age of seven, and first requested an agent at three. Born in the London suburb of Teddington, she's the daughter of an actor father and playwright mother. Working to overcome a learning disability, Knightley took on various TV roles before scoring a part as Natalie Portman's decoy Padmé in *Star Wars: Episode I—The Phantom Menace* (1999). After her breakthrough in *Bend it Like Beckham*, she landed a lead as Lara in a TV miniseries of *Dr Zhivago*. The blockbuster success of *Pirates of the Caribbean* cemented her stardom, and now she's in the Caribbean shooting back-to-back sequels. With any luck, this time her character will end up with Johnny Depp, rather than Orlando Bloom, despite the age difference Jane would approve.







"SHE'S obviously incredibly beautiful But also she seems quite normal. It seems we all could know her somehow."

Knightley in *Pride and Prejudice* and, opposite, in *Domino* (top) and *Pirates*

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NEW LINE/AP (TOP); EVERETT COLLECTION

L'ENFANT TERRIFICO

Alberta's country music outlaw is exposed in a star-studded mockumentary

IT TOOK writer/director Michael Mabbott seven years to bring his country music mockumentary to the screen. "It was ridiculous," he says. "I lost my mind, my money and my girl doing it, all the good country stuff." That's what happens when you tap into the world of '70s outlaw artists like Kris Kristofferson and Merle Haggard—both of whom appear in Mabbott's debut film, *The Life and Hard Times of Guy Terrifico*.

The Edmonton-born, Toronto-based filmmaker, now 32, got the idea of a honky-tonk opera when he was in university and was spending a lot of time writing "crappy country songs" alone in his room. But after obsessive viewings of rock documentaries like *Gimme Shelter* and *Don't Look Back*, Mabbott saw a genre he could skewer, while at the same time indulging his love of dudes like Haggard, Kristofferson, Waylon Jennings, Bob Dylan, Johnny Cash, Hank Williams, Willie Nelson and, most significantly, Gram Parsons.

His fictional Guy Terrifico character is similar to that former member of the Byrds and the Flying Burrito Brothers, who died in 1973. Like Parsons, Terrifico writes beautiful country rock ballads, wears Nudie brand suits, and is managed by Phil (Mangler) Kaufman—whom Mabbott also convinced to be in the film. "Phil was at the Edmonton Folk Festival when I was visiting my folks," says Mabbott, "and I decided that he really should be in this thing. So I called three hotels and tracked him down and said, 'I'm doing this movie about a Canadian version of Gram Parsons,' and he said, 'He's dead, you know.'" Mabbott knew that, as well as the fact that Kaufman had stolen Parsons' body and set it on fire at Joshua Tree National Park in California, just as the singer had asked him to. "What do you say to the guy that lit this guy's dead body on fire, when he tells you he's dead?" says Mabbott. "I basically sent him a case of beer, and we've been friends ever since."

Not everyone co-operated. "We got the script to Willie, who smoked it, I think," laughs Mabbott. "We had a crew in the middle of Michigan ready to shoot him, and Willie backed out. Waylon agreed and then Waylon did the big back-out." But Mabbott didn't need them—he had Kaufman, Kristofferson, Haggard, keyboardist Funky Donnie Fritts, Levon Helm, Ronnie Hawkins, Colin Linden and Blue Rodeo's Jim Cuddy and Greg Keelor all on film, talking about the legend that was Guy Terrifico—part musical genius, part drunken moron.

Terrifico's life story goes something like this: born Jim Jablowski in northern Alberta to Ukrainian immigrants, he fell in love with the guitar, moved to



Mabbott's honky-tonk film indulges his love of Hank, Waylon and Willie

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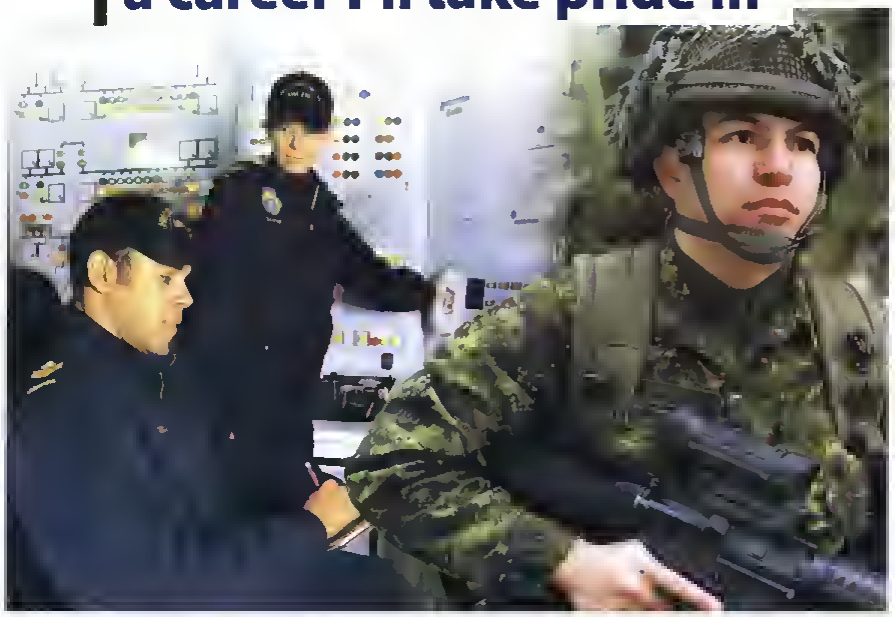
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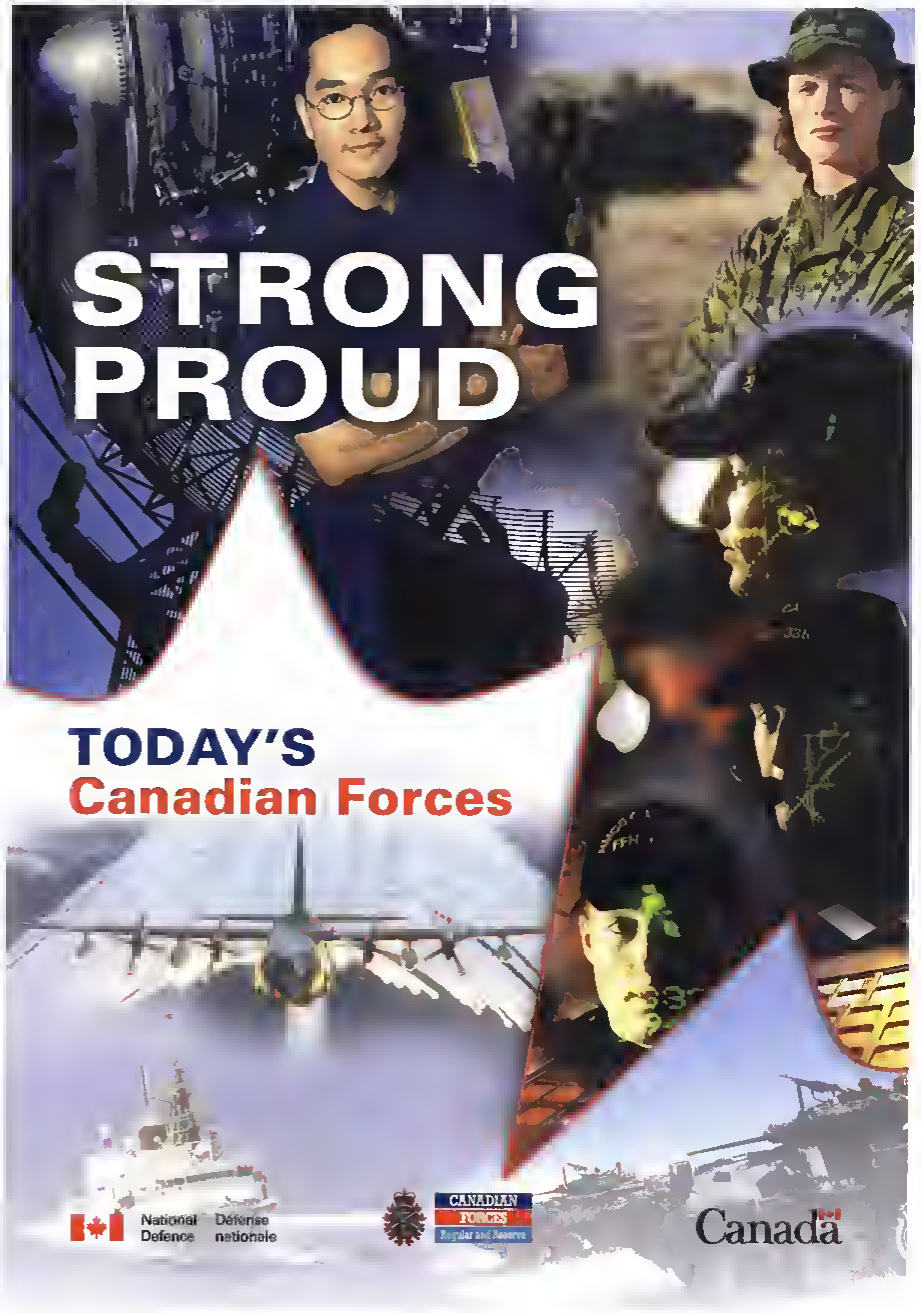


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Murphy's drunken character was once in a band called the Cabbage Roll Boys

Vancouver where he started a band called the Cabbage Roll Boys, won $8 million in the lottery, changed his name to Guy Terrifico, and made all his country music dreams come true before he was (allegedly) murdered during a performance. "Great music," Haggard says in the film, "but he was just a turd of a person."

So who could play such a wild man? At first Mabbott didn't have a clue, but then a friend suggested Matt Murphy. The '90s East Coast indie rock icon is one of Canada's most entertaining, high-voltage stage performers—as seen in his rock band, the Superfriendz, his psychedelic pop group, the Flashing Lights, and his silly country music alter ego, Little Orton Hoggett and his 10 Cent Wings. Mabbott went to university in Halifax, so he was familiar with Murphy and had seen the country show. "Absurd—the most absurd thing you've ever seen," says the director, unable to elaborate. Turns out, Orton Hoggett had been a key to Murphy's growth as a singer. "I'd been in rock bands, but rock bands are about what the guitars are doing," says the 37-year old, now based in Toronto. "When I began doing the country shows, I started thinking more about the vocals—they are right out front and so loud. Over the years, I really started to get interested in the way these guys sing and gradually I inched up my vocals over the music."

'GUY TERRIFICO made great music, but was just a turd of a person,' according to Merle Haggard

Murphy was the perfect choice—not only to play country outlaw Terrifico, but also to help Mabbott create the original music for the film. Others had to be convinced. "I wanted Matt from the very beginning, but we had to audition a bunch of guys to make investors and stuff happy," says Mabbott. The director recalls that actors kept trying to turn Terrifico into this "huge personality," when in fact most artists of his ilk "tend to be introverted songwriters, and one per cent of their life—and it's sometimes a horrifying one per cent—they have to get up on stage and do this." Mabbott insists Murphy's just one of those "scared, solid songwriters," who happens to have "that one per cent of charisma" needed for the stage.

If his demeanour at the Toronto film festival in September was any indication, Murphy hadn't been waiting around all his life to be an actor. In the middle of an exhausting press junket, he endeavoured to talk thoughtfully about Terrifico. "He's super hungry and desires people's love, but I don't ever think of him being premeditated." Then Murphy stopped himself. "I can't believe I'm talking about this guy in the third person. I find that so strange. I hear other people doing that and go, 'What the hell is that guy talking about? It's a character.'"

But Terrifico isn't just any character—he's an amalgam of some of the coolest guys in music. "I thought they were outlaws because they drank and partied," says Mabbott. "But they weren't, they were outlaws because they were breaking a lot of the rules and writing personal songs, and it just wasn't done." Not unlike making a painfully funny movie about a Canuck Gram Parsons. M

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TV | Evangeline Lilly is sitting pretty in the land of the *Lost*

The actress faces paparazzi and underwear thieves while filming in Hawaii

When **Evangeline Lilly** found out that **Michelle Rodriguez** was joining the cast of *Lost* this season, she headed straight to the producers. "First thing I asked them was if the two of us were going to end up in a mud fight or a wet T-shirt contest," says Lilly, who regularly ranks high in magazine polls of the world's sexiest women. "I wanted to know if things were going to come down to girl-on-girl fights."

Lilly was assured by J.J. Abrams, the show's creator, that everything would remain tasteful. Her wardrobe—a collection of tight tank tops and skimpy bathing suits—is another issue. "I only have a problem when it's gratuitous," says Lilly, who plays Kate Austen, a murderous convict and one of the plane-crash survivors stuck on a mysterious island. "And I have little tiffs with the writers and directors all the time. For instance, I don't know too many people who tear off their shirt because bees are chasing them."

This season, a new pest has invaded the island of Oahu (where *Lost* is shot). "We've only just now been inundated by the paparazzi," says Lilly, 26, who was born in Fort Saskatchewan, Alta. "The paparazzi was something *Desperate Housewives* had to deal with in L.A. during all of Season 1. We always felt safe in Hawaii." Lilly has become a recent tabloid favourite—most of the published rumours relate to her possible engagement to *Lost* co-star **Dominic Monaghan** (*Lord of the Rings*). Lilly claims that she and the former hobbit are just good friends.

> 'She had mannerisms that she had to unlearn, like crinkling up her forehead in a crazy way.'
>
> —Abrams, on Lilly's transformation into one of TV's biggest stars

All of this attention is a drastic change for someone who a little more than a year ago was planning on becoming a missionary. "I thought I'd spend my life living off the land and serving people in some remote place," says Lilly, who has worked in more than a dozen developing countries.

But to help pay for tuition—she studied international relations at the University of British Columbia—Lilly gave in to the modelling and acting agents who had been after her for years (she signed with Ford Models and did a few commercials). Her role on *Lost* was her first real speaking part—before that she had played a dead body on a couple of TV dramas and was featured (albeit silently) on several late-night chat-line ads.

Lost is a better fit, as Lilly does know a few things about crashes. Having also trained to be a flight attendant, she's versed in emergency landings. And she's been in eight car accidents—all of which were her fault. "I've hit parked cars, snowbanks and fence posts," she says. "The closest I've come to getting hurt is a scratch on my foot and a bit of whiplash. I'm a daydreamer. My mind wanders and the next thing I know I'm face first in a snowbank."

Luckily, it never snows (and Lilly doesn't drive) in Hawaii. For now, her biggest concern away from the set is outsmarting an underwear bandit. "I had several pairs stolen from the clothesline outside my house last season," says Lilly. "It was a 12-year old boy. A friend of mine caught him in the act, but she was so shocked she let him go. I was pretty sure my underwear was going to end up on eBay." JOHN INTINI

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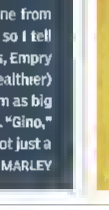
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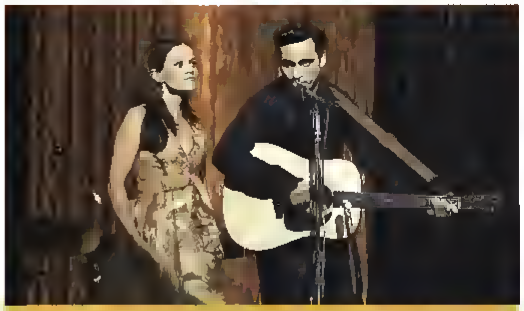
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People | Life lessons from Gino Empry

Gino Empry wants to make everybody happy. He's apparently so good at it that the legendary Toronto PR man and entertainment promoter has been told by clients ranging from **Peggy Lee, Tony Bennett** and **Honest Ed Mirvish**—he's been on a first-name basis with them all—that he should start charging for more than just his promotional work. And so he has—the elfin, bumbling Empry has been offering his services as a "happiness guru" since last winter. For $100 an hour, he'll offer up stories about the rich and famous to reassure rising stars that everyone shares their self-doubt—he says he's seen **Fred Astaire** and **Ella Fitzgerald** get nervous. His approach is based purely on common sense—as he explains, "I was very shy myself, but I've counteracted that by being an extrovert. I've got 25 years of experience with everyone from gangsters to cardinals, low life to high life, so I tell stories, and that helps." With a dozen clients, Empry is at least making himself a happier (and wealthier) man. But so far, none of them have given him as big a compliment as Lee did a few decades back. "Gino," he recalls her saying, "you really care. I'm not just a pair of boobs to you."

KARIN MARLEY





Film | A boy named Joaquin gets Johnny right

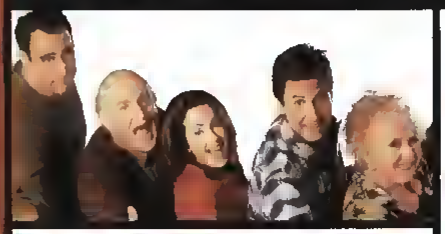
Ask **Joaquin Phoenix** what he thinks of his new movie, *Walk the Line*, and he gets uncomfortable. "I don't know what I'm supposed to say," mumbles the 31-year-old actor. "I don't watch movies I'm in." If that's true, Phoenix has missed some great flicks—including *Hotel Rwanda*, *Gladiator* and *To Die For*—not to mention a few intense performances. His latest, as **Johnny Cash**, is his best to date. The nasally Californian does a remarkable job with Cash's deep voice, southern accent and unique stage presence—all the while bringing to life the fiery love story of Cash and **June Carter (Reese Witherspoon)**.

Phoenix admires how Cash's straightforward musical style stood out in an era of glossy pop and overly orchestrated country—and sees similarities in his own business. "About 10 years ago, I was working with **Sean Penn** on the movie *U Turn*," says Phoenix. "It was when CGI [computer-generated imagery] was coming up and he said, 'No matter what they develop, no matter what technology comes along, you can never replicate the human heart.' That's like the power of John's music."

Yes, Phoenix can be a touch earnest and the kind of actor who talks about "the process," but sometimes the most serious are the most electric onscreen. Not that he'd ever know it.

SHANDA OEZIEL

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Sarah Harmer finishes John Intini's sentences

Sarah Harmer performed in eight small towns along the Niagara Escarpment this summer to raise awareness for the internationally known biosphere reserve. The tour—and several long hikes on the Bruce Trail—inspired the Juno Award winner to volunteer for a non profit organization (Protecting Escarpment Rural Land) and write *Escarpment Blues*, which is on her new CD, *I'm a Mountain* (in stores Nov. 8). Harmer, 34, recently finished *Maclean's* Associate Editor John Intini's sentences.

THE MOST ANNOYING SOUNDS are gunshots. My 15-year-old neighbour recently got his hunting licence and he's always out with his rifle, wearing his camouflage gear.

THE LAST TIME I PUT MYSELF IN DANGER was rock climbing this summer. 80 feet above the ground. I was well-harnessed, but I did involuntarily say "Mommy" a couple of times.

NOT MANY PEOPLE KNOW I'M GREAT AT . Ping-Pong. I have a table on my back porch and play all the time.

I WISH I CARED MORE ABOUT my personal appearance. I'm more of a slob sometimes than I want to be.

THE STRANGEST THING I'VE SEEN ON TOUR was fresh carrot juice on the menu at a Husky gas stop just outside of Regina. Guess truckers need their beta carotene, too.

FOR MORE "JOHN INTINI'S SENTENCES" VISIT *WWW.MACLEANS.CA/PEOPLE*

ESSENTIAL HARMER

Earlier that day, Job was waiting at a tea room in Burlington, Ont., where she scooped ice cream and made lemon sandwiches. 2. Recently ordered a Toyota Prius hybrid vehicle. 3. *All of Our Names* won the Juno Award for the adult alternative album of 2005.

BOB SPITZ'S much-anticipated new book, *The Beatles: The Biography*, was originally 2,792 pages long—editors whittled down the final version to 856 pages

Books | The play is not the only thing

There is no end to books about William Shakespeare, even if most of them seem obsessed with the idea he was someone else entirely, from Francis Bacon to the new hot favourite, Henry Neville. Columbia English professor James Shapiro has no time for that dead end. Instead, by focusing on a pivotal 12-month period, he turns *A Year in the Life of William Shakespeare: 1599* into an extraordinary study about the intersection of time, place and individual genius. Shapiro actually begins his year on Dec. 28, 1598, when a group of armed actors illegally dismantled a London playhouse, later using its valuable timber to build the Globe Theatre. It was a key moment for a playwright who tailored his works to their performing space more than anyone before him. In 1599, Shakespeare went on to finish *Henry V*, write *As You Like It* and *Julius Caesar*—and produce the first draft of *Hamlet*.



A YEAR IN THE LIFE OF WILLIAM SHAKESPEARE: 1599
James Shapiro
HarperCollins
$36.95

BestSellers

Fiction

		POSITION LAST WEEK
1.	**THE LIGHTHOUSE,** P.D. James (1)	
2.	**THE PENELOPIAD,** Margaret Atwood (2)	5
3.	**A BREATH OF SNOW AND ASHES,** Diana Gabaldon (5)	1
4.	**ARTHUR & GEORGE,** Julian Barnes (5)	4
5.	**KNIFE OF DREAMS,** Robert Jordan (2)	6
6.	**THE DA VINCI CODE,** Dan Brown (119)	2
7.	**A MAP OF GLASS,** Jane Urquhart (9)	3
8.	**ANANSI BOYS,** Neil Gaiman (2)	9
9.	**SHALIMAR THE CLOWN,** Salman Rushdie (7)	7
10.	**ON BEAUTY,** Zadie Smith (7)	8

Non-fiction

1.	**THE YEAR OF MAGICAL THINKING,** Joan Didion (3)	
2.	**MAO: THE UNKNOWN STORY,** Jung Chang and Jon Halliday (1)	
3.	**NEW RULES,** Bill Maher (10)	8
4.	**FREAKONOMICS,** Steven D. Levitt and Stephen J. Dubner (19)	7
5.	**THE WORLD IS FLAT,** Thomas L. Friedman (27)	5
6.	**THE SECRET MULRONEY TAPES,** Peter C. Newman (7)	6
7.	**UNTOLD STORIES,** Alan Bennett (1)	
8.	**A CRACK IN THE EDGE OF THE WORLD,** Simon Winchester (4)	1
9.	**THE CITY OF FALLING ANGELS,** John Berendt (5)	4
10.	**QUICKSAND,** Bedford Sybille (4)	9

() Weeks on list
Compiled by Brian Bethune

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AND THE WINNER IS...

Presenting the First (and Last) Back Page Campus Journalism Awards

THIS YEAR'S FINEST campus newspaper in Canada, according to me, is *Quartier Libre* at the Université de Montréal. And since one of the runners-up is the *Link*, from neighbouring Concordia University, the one-member jury of the First (and Last) Back Page Campus Journalism Awards has decided to crown Montreal as the capital of campus journalism in Canada.

Both papers achieve quality by doing something that hasn't occurred to most Canadian campus papers: they take their time. The *Link* comes out only once a week, *Quartier Libre* half as often. My very strong hunch is that the leisurely schedule has a lot to do with the nonsuckiness of both products.



Several weeks ago on my weblog I asked for samples of Canadian campus newspapers. Student scribes across the country hurried to comply, and it's been great fun to read their work. Student journalism matters. I have never known a better training ground for this line of work than simply doing it, for good and for bad.

The good: you get to ask rude questions, make up your own schedule, show off a little creativity here and there.

The bad: you get a lot wrong. You never say all you wanted to. And too easily, you fall into routine. Just fill the damned paper and hope to fight another day. One reporter I know calls it "feeding the goat." There are too many well-fed goats in Canadian journalism these days. And too many campus papers are letting themselves be training grounds for rote journalism.

Fortunately there are plenty of exceptions. I like the two-format *Ubyssey* from the University of British Columbia. News on Tuesday and a "magazine" on Friday. The heart of the "magazine" is a single two page feature, but that's still a chance for students to tackle complex topics.

At the University of Saskatchewan, Drew Larson shot an amazing cover photo of the Arcade Fire for the *Sheaf*: two musicians with faces tilted up, mouths open in identical Os. Great stuff.

The *Queen's Journal* in Kingston, Ont., did a good job covering the homecoming parties that escalated into violence and vandalism. But they did something more impressive when they set up the turmoil in articles that appeared before the wild parties happened. Knowing where the news is going is always better than telling where it's been.

Today's campus papers have too many opinion columns by students who had nothing new to say. (I'm the wrong guy to tell you this, but columns are empty calories. Readers need news. Young reporters need to learn how to find some.) But the *Queen's Journal* had my favourite column: an earnest plea for gender unspecific washrooms, so transgendered students—cross-dressers, sex-changers or the merely unsure—won't have to decide whether they're "Men" or "Women." "The argument is a human rights one," the columnist solemnly informed us. How could we doubt it.

It's an occupational hazard of campus papers that they're often barely aware they're published *on campuses*, where the principal activities are—wait for it—teaching and research. There are great stories in lecture halls and labs. Most campus papers never find them. The *Gazette* at the University of Western Ontario, my alma mater, was never good at covering the serious stuff, but this year it's barely there at all. The *Gazette* comes out four times a week, but reading it, I could almost hear the staff huffing, as if on a treadmill, to keep it going.

Contrast that with the *Charlatan*, the weekly at Carleton University. When Ontario Premier Dalton McGuinty lifted a freeze on tuition fees, the *Charlatan* produced two pages of stories and a thoughtful editorial. And it produced four *pages* of feature material on vinyl: LPs—stores, collectors, buried treasures—from seven writers.

The *Link* at Concordia throws in a dose of lefty politics—once ubiquitous on campuses, now quite rare—that at least gives its staff some things they care about: gay rights, the clash of Islam and Judaism, a seven-page package on "media democracy." Out here in the mainstream, we're supposed to find campus leftists tiresome. But the sheer scale of the *Link*'s ambition is refreshing.

Still, nobody in Canada is doing anything in English to match *Quartier Libre*. Professional quality layout. Full-page interviews with Parti Québécois leadership candidates. Articles on transport policy, illiteracy, health care reform. Articles from Haiti and Brazil. And real courage: when *Quartier Libre* thought the university's new rector, Luc Vinet, didn't answer their questions frankly enough, they put his mug on the cover with the headline "*L'esquive*" (the Dodger). It takes them two weeks to put an issue together? Take your time, kids. It's worth it.

To comment: backpage@macleans.ca
Read Paul Wells's weblog, "Inkless Wells," at *www.macleans.ca/paulwells*

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